

Catalog Home

Welcome to the New Online Catalog

Whether you are a prospective student, current student, or faculty or staff member at Xavier University, this online catalog is a powerful tool to help you quickly locate information regarding Xavier's programs, courses, policies, and procedures.

My Folder

By clicking on the "Add to Folder" link on any program, course, or policy, you can store information that is important to you. Register your own password to save your info, then return later to the **My Folder** link in the navigation bar, and start where you left off.

Purpose of the Catalog

The *Xavier University Undergraduate and Graduate Catalog* is the official source of the university's academic programs, policies, and procedures. It is published annually by the Office of the Registrar, 129 Alter Hall. The 2010-2011 edition includes academic and programmatic requirements for students entering the university during the summer 2010, fall 2010, and spring 2011 semesters. Although every effort is made to ensure the accuracy and currency of its contents, this catalog is not intended to state contractual terms and should not be regarded as a contract between the student and the institution.

Accessing Current Course Information

To access course information, click on the [Course Descriptions](#) link in the left-hand navigation. Please be aware, though, that the course offerings at Xavier University are continually under examination and revision. To locate the most current course prerequisites, co-requisites, registration restrictions, as well as times and locations for courses offered, visit

Search Course Catalog: available at https://banner8ssb.xavier.edu:7777/PROD/bwckctlg.p_disp_dyn_ctlg

Schedule of Classes: available at https://banner8ssb.xavier.edu:7777/PROD/bwckschd.p_disp_dyn_sched

Streamlined Schedule of Classes: available through the MyXU portal at <http://portal.xavier.edu/>.

Looking for a Different Catalog?

Choose the **Archived Catalogs** link in the navigation bar to access previous editions of the catalog.

A GUIDE TO THIS PUBLICATION

The *Xavier University 2010-2011 Undergraduate and Graduate Catalog* is organized into several sections. Use the PDF “Find” feature in the toolbar to search for specific information.

GENERAL INFORMATION	2
The University	5
Undergraduate Admission	11
Graduate Admission.....	17
Undergraduate Academic Policies and Regulations	21
Graduate Academic Policies and Regulations	29
Registration Policies and Procedures	36
Financial Information.....	42
Services and Resources for Students	51
ACADEMIC PROGRAMS and REQUIREMENTS.....	59
Requirements for Majors, Minors, Certificates, & Degrees	59
Special University Programs.....	65
College of Arts and Sciences	68
College of Social Sciences, Health, and Education	284
Williams College of Business	441
COURSE DESCRIPTIONS.....	504
Course offerings as of August 2010 appear in the section, alphabetically by the four-character abbreviation of the subject area.	
UNIVERSITY FACULTY	758

Every effort has been made to ensure that the content of this Catalog is accurate at the time of printing. The University reserves the right to make any changes deemed necessary or appropriate. Changes may be implemented without prior notice and without obligation and, unless specified otherwise, are effective when made.

Published by the Office of Strategic Information Resources and the Office of the Registrar, August 2010

Xavier at a Glance

Location: On 146 acres in a residential section of Cincinnati, Ohio, which was ranked by Money magazine as the fifth best place to live in the Midwest, and is home to 17 Fortune 1000 companies and two professional sports teams. The city is known for its neighborhoods, parks, cultural activities, zoo, amusement parks, and seasonal events and festivals along the Ohio River.

Affiliation: Founded in 1831, Xavier University is a private, coeducational university. It is third largest independent institution in Ohio. It is the fourth oldest of the 28 Jesuit institutions of higher education in the United States, the sixth oldest Catholic university in the nation, and the first Catholic institution of higher education in the Northwest Territory.

National Honors: Xavier has been ranked among the top ten master's-level schools in the Midwest for 15 consecutive years by *U.S. News & World Report*. Xavier is ranked among the nation's best colleges and universities by *The Princeton Review* and is on *Forbes.com's* list of America's best colleges.

Curriculum: More than 80 undergraduate areas of study from which to choose in the College of Arts and Sciences, the Williams College of Business, and the College of Social Sciences, Health, and Education. Undergraduate minors are offered in 52 areas of study, including preprofessional programs in the areas of dentistry, optometry, law, medicine, and pharmacy. Graduate programs are offered in 11 areas, including a doctorate in psychology. Xavier also offers several certificate programs.

Enrollment: Approximately 6,600 students with about 4,000 undergraduates, and 2,600 graduate students. More than 85 percent of the freshman and sophomore students live on campus. Of the full-time undergraduates, 45 percent are men and 55 percent are women. Students come here from more than 43 states and 48 countries.

Typical Freshman Profile: More than 50 percent of new students at Xavier each year have GPAs between 3.5 and 4.0; ACT composites from 24 to 29; SAT composites from 1070 to 1280. More than 84 percent rank in the top half of their high school class. Approximately 89 percent live on campus in our modern residential facilities. The freshman retention rate is 87 percent.

Faculty: Xavier has 311 full-time faculty. The student-faculty ratio is 12:1.

Activities: Students choose from more than 100 different academic clubs and social organizations. Some of those organizations include student government association, student activities council, jazz and pep bands, choir, campus ministry, academic clubs, and intramurals.

Athletics: Division I in all 16 varsity sports and a member of the prestigious Atlantic 10 Conference. Sports include men's and women's basketball, cross country, golf, soccer, swimming, tennis, track, baseball, and women's volleyball. Club sports include boxing, crew, cycling, field hockey, ice hockey, lacrosse, martial arts, ultimate Frisbee, rugby, soccer, volleyball, fencing, sailing, snow skiing, and wrestling. Intramural programs are available in more than 30 sports including basketball, racquetball, volleyball, floor hockey, golf, soccer, and softball.

Scholarship Opportunities: Academic scholarships, which are competitive and renewable for four years, are offered in five categories. Departmental, alumni, athletic, performing and visual arts, multicultural, and other scholarships are also available.

A Message from the President

Welcome to Xavier University. As a community of inquiry grounded in the Catholic, Jesuit tradition, Xavier University is dedicated to engaging and forming students intellectually, morally and spiritually, with rigor and compassion, toward lives of solidarity, service and success. As a comprehensive University, we offer a wide range of undergraduate and graduate degree programs. But woven through all our efforts on behalf of our students is an emphasis on ethics and values that stamps a Xavier education as Jesuit and Catholic.

We also place great emphasis on the spiritual development of our students, particularly of our undergraduate students. Our many opportunities for service and our outreach programs enhance and complete the educational enterprise here, for it is through such opportunities that students learn that the education they receive here finds its ultimate value in the service to those around them, and especially to the poor. The volunteer activities of our many alumni are a proud testimony to the holistic and integrated experience of their own Xavier days. Finally, we are proud to serve as an educational and cultural resource for Cincinnati, our surrounding communities and, indeed, for the entire world into which our students will go to find their futures. If you are not already familiar with us, I encourage you to learn what you can about Xavier. I am confident that you'll like what you'll find.

Cordially,

Michael J. Graham, S.J.
President

Academic Calendar

Fall Semester 2010

Date	Event
August 23	Classes begin at 4:00 p.m., except labs.
August 29	Last day for late registration or changes in registration for full-term classes.
September 6	Labor Day Holiday , University closed.
October 1	Deadline to submit Application for Graduation for Fall 2010 graduation.
October 14-15	Fall Holiday, day classes do not meet; 4:00 p.m. & after non-lab classes do meet.
October 25	Sustainability Day - All classes are in session.
November 22	Final day for withdrawal from full-term classes for Undergraduate students.
November 24-28	Thanksgiving Holiday , classes do not meet
November 25-28	Thanksgiving Holiday , University closed.
December 10	Last day of full-term classes. Final day for withdrawal from full-term classes for Graduate students.
December 11-17	Final Examinations
December 17	Last day of Fall Semester. Official Fall 2010 graduation date.

Spring Semester 2011

Date	Event
January 1	New Year's Holiday , University closed.
January 10	Full-term classes begin at 8:30 a.m.
January 14	Deadline to submit Application for Graduation for Spring 2011 graduation.
January 17	Martin Luther King Jr. Holiday , University closed.
March 7-11	Spring Break. No classes March 7-11.
April 21-25	Easter Holiday , No classes April 21-25, with the exception of Monday once-a-week classes, which will meet on April 25.
April 22-25	Easter Holiday , University Closed.
April 11	Final day for withdrawal from full-term classes for Undergraduate students.

April 29	Last day of full-term classes. Final day for withdrawal from full-term classes for graduate students
April 30-May 6	Final examinations.
May 6	Last day of Spring Semester. Official Spring 2011 graduation date.
May 14	Commencement

Summer Semester 2011

Date	Event
May 16	Summer sessions begin.
May 30	Memorial Day Holiday , University closed.
June 3	Deadline to submit Application for Graduation for Summer 2011 graduation.
July 4	Independence Day , University closed.
August 12	Official Summer 2011 graduation date.

THE UNIVERSITY

University Governance and Administration

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University Attorney

Vincent H. Beckman, Esq. Beckman, Weil, Shepardson LLC Cincinnati, Ohio

University Administration

Michael J. Graham, S.J. (1989) B.S.S., M.A., M.A., M.Div., Ph.D. (University of Michigan), *President*

Maribeth Amyot (2008) B.A., M.B.A. (West Virginia University), *Vice President for Financial Administration*

David Dodd (2005) B.A., M.A. (State University of New York), *Vice President for Information Resources and Chief Information Officer*

Roger Fortin (1966) B.A., M.A., Ph.D. (Lehigh University), *Academic Vice President and Provost*

John Kucia (1984) B.A., M.Ed., Ed.D. (University of Pennsylvania), *Administrative Vice President*

Gary Massa (1999) B.S.B.A., M.B.A. (Xavier University), *Vice President for University Relations*

Debra Mooney (1999) B.S., M.S., Ph.D. (Southern Illinois University), *Assistant to the President for Mission and Identity and Chief Mission Officer*

Cheryl Nunez (2005) A.B., M.Ed. (University of Cincinnati), *Vice Provost for Diversity*

Terry Richards (2007) B.B.A., M.A. (Marshall University), *Vice President for Student Enrollment*

Kathleen Simons (2007) B.A., M.A., Ph.D. (Illinois State University), *Associate Provost for Student Life and Leadership*

Kandi Stinson (1994) B.A., M.A., Ph.D. (University of North Carolina), *Associate Vice President for Academic Affairs*

Mission, Vision, and History

Mission Statement

Xavier University's mission is to educate. Its essential activity is the interaction of students and faculty in an educational experience characterized by critical thinking and articulate expression with special attention given to ethical issues and values.

Xavier is a Catholic institution in the Jesuit tradition, and urban university firmly rooted in the principles and convictions of the Judeo-Christian tradition and in the best ideals of the American heritage.

Xavier is an educational community dedicated to the pursuit of knowledge, to the orderly discussion of issues confronting society and, as would benefit an American institution grounded in the humanities and sciences, Xavier is committed unreservedly to open and free inquiry.

Xavier, while primarily an undergraduate institution emphasizing the liberal arts, is also committed to providing graduate and professional education in areas of its demonstrated competence and where it meets a particular need of society, especially of Xavier's regional constituency. Faculty members, moreover, are strongly encouraged to engage in research outside the classroom in order to maintain the professional standing of the institution.

With attention to the student as an individual, Jesuit education seeks to develop: 1. Intellectual skills for both a full life in the human community and service in the Kingdom of God; 2. Critical attention to the underlying philosophical and theological implications of the issues; 3. A world view that is oriented to responsible

action and recognizes the intrinsic value of the natural and human values; 4. An understanding and communication of the moral and religious values through personal concern and lived witness, as well as by precept of instruction; and 5. A sense of the whole person- body, mind, and spirit.

In keeping with the Jesuit tradition, Xavier believes that religious insights are complementary to the intellectual life, and that a continuing synthesis of the Christian perspective with all other forms of human knowledge is conducive to wisdom and understanding. Xavier shares in worldwide Jesuit commitment to a creative and intelligent engagement with questions of peace and justice.

Xavier aims to provide all students with a supportive learning environment which offers opportunities for identifying personal needs, setting goals, and developing recreational and aesthetic interests and skills for daily living and leadership. The self-understanding and interpersonal development that result are vital corollaries to a student's academic development.

Xavier believes that these goals can be achieved only through academic programs of high quality that are served by faculty devoted primarily to excellence in teaching, are nurtured by scholarship and research and are supported by a broad range of university and student life programs.

History

Xavier University was established in 1831 when the first bishop of Cincinnati, Edward Fenwick, raised a two-story building near the cathedral in downtown Cincinnati and opened its doors to educate seminarians and other young men in the Ohio area. This institute of arts and sciences was the first Catholic institution of higher learning in the Northwest Territory. The original name of the college was The Athenaeum, but it was dedicated from the beginning to the patronage of St. Francis Xavier.

At first, the college was administered by the bishop and his diocesan priests, but as it grew, it began to require professional academic leadership. In 1840, John Roothaan, the Jesuit Superior General, responded to the request of Fenwick's successor, Bishop John Purcell, and appointed three Jesuit priests, two brothers and two scholastics, to assume leadership of the college. Its name was changed to St. Xavier College in honor of the Jesuit educator under whose patronage the college was originally placed.

It was during these first few years as a Jesuit institution that Xavier began to take on the unique character and special role that it fulfills today. For example, a mercantile program was added to the curriculum in 1840 because the Jesuit educators recognized the need to supplement the traditional humanities education with a sound business program. Today, the University is recognized for its development of the Williams College of Business, which, together with the other academic colleges—the College of Arts and Sciences and the College of Social Sciences, Health, and Education as well as the Center for Adult and Part-Time Students (CAPS)—provides students with a broad-based learning experience.

In 1841, Xavier offered its first night courses, beginning a tradition of serving the unique needs and schedules of professionals in the Cincinnati community, a tradition it proudly continues today.

St. Xavier College moved to its present location in the geographic center of the city in 1919, when its growth and development called for new and larger facilities. To reflect that growth and development, the name was changed to Xavier University in 1930. Since that time, the University has become coeducational (1969) and has implemented a host of new academic programs, facilities, community projects, and student services.

A historical development at Xavier was the addition on July 1, 1980, of a second campus and a fourth undergraduate college, Edgecliff College. Founded in 1935 by the Sisters of Mercy as a women's liberal arts college, Edgecliff brought with it 45 years of dedication and academic excellence. In 1985, the Edgecliff campus was sold, and all programs were moved to the main campus. In 1999, Alumni Hall was renovated and renamed Edgecliff Hall to bring to campus a physical presence of the legacy of Edgecliff College.

The campus grew in the 1980s with donations of property by the U.S. Shoe Corporation in 1982 and the Rainbo Baking Company in 1986 (including an 84,000-square-foot building) that increased Xavier's total campus acreage to 80 acres.

Other expansions included Xavier Village, a 56-unit student apartment complex, constructed on 5.6 acres of property purchased from Peggy Becker Jackson in May 1988, and the Link complex, three acres received through a charitable trust from Joseph Link Jr. on January 2, 1989. These additions brought Xavier's total area to 89 acres.

On April 21, 1991, James E. Hoff, S.J., was inaugurated as Xavier's 33rd president. Under Hoff's leadership, the University experienced a remarkable growth spurt. The addition of the Lindner Family Physics Building (1991) and the closing of a portion of Ledgewood Avenue in 1993 were followed by the creation of the residential and academic malls in the mid-1990's. The restoration of Hinkle, Schmidt and Edgecliff (formerly Alumni) halls, Bellarmine Chapel, and the construction of the Cintas Center and student recreation park soon followed. Academically, Hoff brought about some substantial changes, including the creation of the academic service-learning semesters, the Brueggeman Center for Dialogue, the doctoral program in psychology--Xavier's first doctoral-level course of study and the second Psy.D. program in Ohio--and the Weekend Degree Program. He also created the National Alumni Association.

In the fall of 2001, Michael J. Graham, S.J., was inaugurated as Xavier's 34th president, continuing the pattern of growth and prosperity, with particular focus on academics. A new academic vision statement helped drive Xavier to a significant increase in national recognition for its academics. A third honors program was added. The Conaton Learning Commons was constructed with 21st century teaching and learning styles in mind. The addition of Smith Hall helped make the

Williams College of Business one of the nation's most dynamic business schools by any measure. A plan for a new classroom building was developed. And a new four-dorm residence hall and dining complex were built to accommodate the growing demand for enrollment in the university. In 2006, the University celebrated its 175th anniversary, and Xavier's growth since its founding reflects its origins as a teaching institution that soundly prepares students for careers, graduate study, or both. A Xavier education, particularly at the undergraduate level, is marked by an emphasis on liberal arts learning contained in Xavier's core curriculum. Equally important in the Xavier tradition is the synthesis of human, cultural, and ethical values; concern and respect for all people; and an appreciation of the worth and dignity of the self and others.

A continued emphasis was also placed on Xavier's Jesuit heritage with the creation of the Center for Mission and Ministry, which included the Conway Institute for Jesuit Education, Ignation Programs and the Office of Campus Ministry. The Dorothy Day Center for Faith and Justice Programs and the Office for Interfaith Community Engagement were created to challenge and support students as they deepen their spiritual lives.

Jesuit Education

Xavier University offers its students the advantages of a quality liberal education, which has always been the center of a Jesuit university. Such an education enables the student to put personal academic goals in the context of the diverse achievements of civilization and the vast potential of the human person. Jesuit and Catholic education presumes that the truth about the world and humankind, discovered through human reason, cannot ultimately conflict with the truth of faith, since the two have a common origin in God. Indeed, the continuing dialogue between religious tradition and developing human wisdom is of primary importance in the search for ultimate truth.

The goal of a Jesuit and Catholic education is integration of the intellectual dimension of learning and the spiritual experience of the student, along with the development of a strong system of personal moral values. Such an education strives for the formation of the student's mind and heart into a habit of reaching out to the needs of today's and tomorrow's global society and, in the process, of reaching out to God.

The institution is committed to making available a learning environment which addresses students' personal needs, provides opportunities for their spiritual growth, encourages the recreational and aesthetic dimensions of life, and assists them in the development of career goals.

Accreditation

Xavier University is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. Xavier has been continuously accredited by the Commission since 1935. The Commission may be contacted at: 30 N. LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, 1-800-621-7440. Xavier University is also accredited by the Ohio Board of Regents as a degree-granting institution, and is approved by Department of Education of State of Ohio for teacher certification, and counseling. The Athletic Training Education program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The Sport Management program is accredited by the Commission on Sports Management Accreditation. The Chemistry program is recognized by the American Chemical Society (ACS) for its training in chemistry. The School of Nursing is approved by the Ohio Board of Nursing for its nursing programs, and accredited by the Commission on Collegiate Nursing Education (CCNE) for its MSN and BSN programs. The BSN program, RN to MSN and the Master of Science in Nursing: direct entry as a second degree (The MIDAS program) are endorsed by the American Holistic Nursing Certification Corporation. Xavier is accredited by the Council on Social Work Education (CSWE) for its baccalaureate social work program, and by the Joint Review Committee on Education in Radiologic Technology (JRCERT) for its radiologic technology program. Xavier's Master of Occupational Therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA). The Montessori program is affiliated with the American Montessori Society (AMS) and is accredited by the Montessori Accreditation Council for Teacher Education (MACTE). The Master of Arts Program in School Counseling and the Master of Arts Program in Community Counseling are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Programs in the School of Education are accredited by the Teacher Education Accreditation Council (TEAC). The graduate program in health services administration is accredited by the Commission on the Accreditation of Health Management Education (CAHME). The Williams College of Business is accredited by the Association to Advance Collegiate Schools of Business International (AACSB International). The Department of Music is accredited by the National Association of Schools of Music (NASM). The doctoral program in clinical psychology is accredited by the APA Office of Program Consultation and Accreditation, 750 First Street, NE; Washington DC 20002-4242, Phone 202 336-5979.

Honor Societies and Professional Fraternities

Alpha Epsilon Delta The Ohio Kappa Chapter of Alpha Epsilon Delta was installed at Xavier University in April of 2001. AED is the national honor society for students preparing for careers in health professions. The mission of the society is to encourage excellence in pre-health professions scholarship, and to benefit health organizations, charities and the community. Members are chosen in recognition of their commitment to health care professions, academic scholarship and service.

Alpha Sigma Nu A chapter of this national honor fraternity for students of Jesuit colleges and universities was established at Xavier in 1939. Candidates for membership, chosen during their junior or senior year or from the graduate programs, must be outstanding in scholarship, in loyalty, and in service to the university.

Chi Sigma Iota The Xavier University Sigma Seta Chi chapter of Chi Sigma Iota is an international honor society open to professional counselors and counselors in training. Its mission is to promote scholarship, research, professionalism and leadership in the counseling field.

Delta Sigma Pi The Theta Lambda Chapter of the International Fraternity of Delta Sigma Pi, a professional business fraternity, promotes academic achievement, leadership, and a closer affiliation between the business world and business students.

Mortar Board The D'Artagnan Chapter of Mortar Board was installed at Xavier in the spring of 1994. Mortar Board, founded in 1918 as the first national honor society for senior college women, is now a coeducational senior honor society which promotes equal opportunities among all people and emphasizes the advancement of the status of women. Members are chosen in recognition of their leadership, scholarship, and service.

Omicron Delta Epsilon ODE is the international honors society in economics, with 535 chapters. The Xavier University chapter was founded in 1970. Among the objectives of ODE are recognition of scholastic attainment, the honoring of outstanding achievements in economics, and the establishment of closer ties between students and faculty in economics within the college and with other universities.

Phi Alpha Theta Kappa Nu Chapter of the international honor society of history is open to history students (whether majors or not) who have distinguished themselves academically.

Pi Beta Kappa celebrates and advocates excellence in the liberal arts and sciences. Founded in 1776, it is the nation's oldest academic honor society and has more than 500,000 members with 276 chapters nationwide. Its campus chapters invite for induction the most outstanding arts and sciences students at America's leading colleges and universities.

Pi Delta Phi The purpose of this society is to recognize outstanding scholarship in the French language and its literature. To increase the knowledge and appreciation of Americans for the cultural contributions of the French-speaking world.

Psi Chi is the national honorary society that recognizes academic achievement by psychology majors. The Psi Chi chapter at Xavier is a member of the national Psi Chi society. Membership in the society is recognized throughout the profession of psychology as a mark of distinction.

Sigma Delta Pi's purpose is to honor those who attain excellence in the study of the Spanish language and in the study of the literature and culture of the Spanish-speaking peoples.

Sigma Pi Sigma The Xavier University chapter of Sigma Pi Sigma, national physics honor society, honors students having high scholarship and promise of achievement in physics, promotes their interest in research, encourages professional spirit and friendship among physics students, and popularizes interest in physics.

Sigma Theta Tau Sigma Theta Tau is a international honor society for nursing students.

Institutional Memberships

The University maintains memberships in these educational and learned organizations: Academy of Criminal Justice Sciences; Academy of Political Science; American Academy of Political and Social Science; American Academy of Religion; American Art Therapy Association; American Association for State and Local History; American Association of Colleges of Nursing; American Association of Collegiate Registrars and Admissions Officers; American Association of School Administrators; American Association of University Professors; American Catholic Philosophical Association; American Classical League; American College Personnel Association; American Correctional Association; American Council on Consumer Interests; American College and University President's Climate Commitment; American Council on Education; American Council on Teaching of Foreign Languages; American Film Institute; American Historical Association; American Library Association; American Management Association; American Mathematical Society; American Montessori Society; American Psychological Association; American Occupational Therapy Association; American Political Science Association; American Production and Inventory Control Society; American Society for Training and Development; American Society of Composers, Authors, and Publishers; Association for Communication Administration; Association for Computer Machinery; Association for Continuing Higher Education; Association for Quality and Productivity; Association for Women in Mathematics; Association of American Colleges and Universities; Association of Catholic Colleges & Universities; Association of College Unions—International; Association of Departments of English; Association of Governing Boards of Universities & Colleges; Association of Independent Colleges and Universities of Ohio; Association of Jesuit Colleges and Universities; Association of Professors and Researchers in Religious Education; Association of Psychology Post-doctoral and Internship Centers; Association of State and Provincial Psychology Boards and the Council for the National Registrar of Health Service Providers in Psychology; Association of University Programs in Health Administration; Association to Advance Collegiate Schools of Business; Broadcast Education Association; Broadcast Music Incorporated; Canadian Historical Association; Canadian Sociology and Anthropology Association; Catholic Theological Society of America; Center for the Study of Democratic Institutions; Central Association of College & University Business Officers; Central States Conference on Teaching of Foreign Languages; Cincinnati USA Regional Chamber of Commerce; Coalition of Urban and Metropolitan Universities; College and University Personnel Association; The College Board; College English Association of Ohio; College Theology Society; Conference Board, Inc.; Conference on Partnership in Jesuit Higher Education; Consortium on Peace Research Education and Development; Council for Advancement and Support of Education; Council for Higher Education Accreditation; Council for Opportunity in Education; Council of Colleges of Arts and Sciences; Council of Independent Colleges; Council on Undergraduate Research; Downtown Cincinnati, Inc; Economic History Association; Fair Labor Association; Financial Executives International; Greater Cincinnati Consortium of Colleges and Universities; Greater Cincinnati Convention & Visitors Bureau; Greater Cincinnati Library Consortium; Handweavers Guild of America; Hastings Center; Hebrew Union College & Jewish Institute of Religion; Hispanic Association of Colleges and Universities; Institute of International Education; International Business School Computer User's Group; International Reading Association; Jesuit Conference of Nursing Programs; Lilly Fellows Program in Humanities and the Arts; Linguistic Society of America; Mathematical Association of America; Metaphysical Society of America; Midwest Alliance In Nursing; Midwest Association of Student Financial Aid Administrators; Midwest Modern Language Association; Midwestern Association of Graduate Schools; Midwestern Collegiate Conference; Modern Language Association; National Academic Advising Association; National Art Education Association;

National Association for Ethnic Studies; National Association of College Admission Counseling; National Association of College and University Business Officers; National Association of Diversity Officers in Higher Education; National Association of Elementary School Principals; National Association of Foreign Student Advisors; National Association of Graduate Admissions Professionals; National Association of Secondary School Principals; National Association of Student Financial Aid Administrators; National Association of Student Personnel Administrators; National Association of Independent Colleges and Universities; National Catholic Educational Association; National Collegiate Athletic Association; National Committee on Planned Giving; National Council for the Social Studies; National Council of Schools and Programs of Professional Psychology; National League for Nursing; National Organization on Legal Problems of Education; National School Board Association; National Wildlife Federation; National Women’s Studies Association; North American Academy of Liturgy; North American Association of Summer Schools; North American Association of Summer Sessions; North Central Association of Colleges & Schools; North Central Association of Summer Schools; Norwood Chamber of Commerce; Ohio Academy of Sciences; Ohio Assembly of Deans & Directors of Baccalaureate and Higher Degree Programs; Ohio Association of College Admission Counseling; Ohio Association of College and University Business Officers; Ohio Association of Colleges for Teacher Education; Ohio Association of Collegiate Registrars and Admissions Officers; Ohio Association of Private Colleges for Teacher Education; Ohio Association of Student Financial Aid Administrators; Ohio Biological Survey; Ohio Campus Compact; Ohio College Association; Ohio Foreign Language Association; Region VI Coalition for Responsible Investment; Royal Historical Society; Sesac, Inc.; Society for College and University Planning; Society for the Advancement of American Philosophy; Society for the Study of the Multi-Ethnic Literature of the U.S.; Society of Biblical Literature; Society of Christian Ethics; Speech Communication Association—Ohio; Teachers of English to Speakers of Other Languages; The Tuition Exchange; United States Green Building Coalition.

Assessment

Xavier University has demonstrated its commitment to excellence by instituting an assessment program that includes all aspects of the University and is ongoing. The goal of this program is the continual improvement of the educational experience at Xavier. The involvement of every member of the Xavier community—faculty, staff and students—is necessary to ensure that the assessment program is a success.

UNDERGRADUATE ADMISSION

Undergraduate Admission

<http://www.xavier.edu/admission>

Email address: Traditional Age Students: xuadmit@xavier.edu
Students 22 years of age and older: xucaps@xu.edu

Xavier University seeks to enroll students who are prepared to be successful academically and to contribute positively to the Xavier community as a whole. With this general guideline in mind, the admitting offices individually evaluate each applicant and the complete set of credentials submitted for consideration.

Admission Process for Traditional Students (age 21 or younger)

Xavier has a rolling admission process. Students may submit applications beginning in late summer (before the senior year) for fall or spring semester admission. Decisions will be mailed beginning in October and will continue on a rolling basis within three to four weeks of receiving all required application materials. Decisions are typically made based upon grades earned through the junior year as well as other criteria including the essay, activities and involvement, guidance counselor recommendation, and ACT or SAT scores.

For deadlines and up to date admission information, please visit the Undergraduate Admission Office website at <http://www.xavier.edu/admission> or contact the office toll free at 877.982.3648.

Application Procedures

Students who wish to apply for undergraduate admission must do the following (note specific sections below dedicated to adult, transfer, and international applicants):

- Submit one of the following admission applications, including all required credentials and documentation:
- The Xavier University electronic application (no fee) at <https://www.xavier.edu/apply/u/>.
- The Xavier University paper application, which may be obtained from the Office of Admission.
- The Common Application online (no fee) at www.commonapp.org.
- The Common Application paper version available at your high school.
- Request that the high school (and any post-secondary institutions attended) forward directly to the Office of Admission a complete, official transcript of the academic record.
- Arrange for official results of the Scholastic Assessment Test (SAT: Xavier's CEEB Code is 1965) and/or the American College Test (ACT: Xavier's ACT Code is 003366) to be forwarded directly to the Office of Admission. Results from the SAT and/or ACT may also be submitted on an official high school transcript.
- Submit an essay of no fewer than 250 and no more than 500 words. The essay can be any sample of your original writing (e.g. a high school paper).
- Request that your high school counselor complete the Xavier Counselor Recommendation form and/or submit a letter of recommendation on your behalf. A teacher recommendation may be submitted with permission from the Office of Admission.

Once admitted, students must:

- Purchase the Xavier-sponsored student health insurance plan or provide proof of other current, comparable coverage. All full-time students, regardless of age, must follow this requirement each academic year.
- Present proof of either two MMR immunizations or immunity via measles, mumps rubella titer. International students may be required to have a TB test as determined by recommendation of the Health Services staff physician and based on Center for Disease Control guidelines.

Further information will be sent to admitted students. Credentials submitted for admission consideration become the property of the University. All credentials should be on file by the appropriate deadline or at least one month before the first day of classes for desired semester of entrance. Please contact the Office of Admission for deadline information.

Any falsification of information on the application, transcripts, recommendations (where required), or test scores will be sufficient cause for disqualification for admission and/or scholarships, or dismissal from the University if the individual has enrolled. All tuition and fees paid and credit earned are forfeited under such dismissal.

Freshman Class Admission

Factors considered in making admission decisions for the freshman class include, but are not limited to, the following: the candidate's previous academic performance at the secondary school level, including the rigor of the curriculum pursued and the overall grade-point average achieved; results from either the ACT or SAT I exams; the candidate's rank in class (when available); the candidate's application essay; letters of recommendation, particularly from the candidate's guidance/college counselor; the candidate's extracurricular profile; life or work experiences (adult students); and any other factors which help to determine the candidate's potential for academic success.

Students who are offered admission must graduate from high school or, in some cases, present minimum results from the G.E.D. Home-schooled and transfer students are also evaluated on an individual basis. Each candidate is given a thorough, individual evaluation. The following secondary school course of study is recommended:

English	4 units
Foreign Language	2 units
Health/Physical Education	1 unit
Mathematics	3 units
Physical/Natural Sciences	3 units
Social Sciences	3 units
Electives	5+ units
TOTAL	21 units

Transfer Student Admission

<http://www.xavier.edu/transfer-admission/>

Xavier University welcomes students who have earned college credits after graduating from high school.

Traditional-aged students must forward to the Office of Admission complete and official transcripts from all post-secondary institutions attended and a listing of all courses which may in progress and their corresponding credit hours. Please note, however, students who transfer to Xavier with 30 or more semester hours are not required to submit results of the ACT or SAT tests. The high school transcript is required.

Non-traditional students who have attended other regionally accredited institutions of higher education must complete an application for admission through the Center for Adult and Part-Time Students (CAPS) available on the web at <http://www.xavier.edu/CAPS/applications.cfm>.

All unmarried traditional-aged freshman and sophomore students (including transfer students) not residing with their legal guardian, or whose home addresses are located beyond a 35 mile radius from Xavier, are expected to reside on campus. Requests for exceptions to this regulation must be submitted in writing to the Director of Residence Life.

For information on acceptance of transfer credit, see the section on “[Transfer Credit Policies](#).”

Transfer Students Who Have Been Dismissed from Another Institution

If you have been dismissed from your home institution, Xavier University will honor the sanction that is part of your dismissal. The duration of your dismissal holds true at Xavier University. If you are eligible to return to your home institution in one term or one year, we will review your application for the equivalent term following the completion of your sanction.

International Student Admission

<http://www.xavier.edu/international-admission/>

Email: xuglobal@xavier.edu

To be considered for admission to Xavier University, international students must submit the following documents:

- The Xavier International Application for Admission in either the paper or online format at <https://www.xavier.edu/apply/> or the Common Application online at www.commonapp.org.
- An English translation of a current secondary school (high school) degree or the diploma/certificate of the highest academic degree earned.
- Evidence of English language proficiency demonstrated by:

- a. A TOEFL (Test of English as a Foreign Language) test score of 530 on the paper based test, or
- b. 197 on the TOEFL computer based test, or
- c. 71 on the IBT for undergraduates, or
- d. 6.5 on the IELTS.

Students who want to improve their English skills can enroll in Xavier's ESL (English as a Second Language) program. To enter degree programs, undergraduate ESL students at Xavier are required to obtain a TOEFL score of 530 (or equivalent) plus a "B" average in ESL courses.

4. Financial documentation as follows:

- a. An affidavit of payment of all expenses, educational and personal, signed by the person (sponsor) who will be responsible for the expenses. The affidavit must be signed in the presence of an official or notary public and must be a raised seal.

- b. Official supporting statement from a bank stating that the sponsor is able to meet the required expenses should be signed and certified with a raised seal.

5. For transfers, an official transcript from each college or university attended is required. All transcripts must contain an official signature and institutional seal.

All documents must be received by the Office of Admission before a Form I-20 will be issued. International students who have been admitted to the University must meet the University's campus housing requirement.

Prior to the start of classes, students must submit an immunization record and medical history. International students may be required to have a TB test or other medical testing as determined by the Medical Director. International students must also present proof of health insurance equivalent to what is offered through Xavier University. All students will be required to present proof of health insurance or purchase health insurance through Xavier University each academic year. Students with F1 or J1 visa types cannot waive the Xavier health insurance.

High School Equivalence (G.E.D.) Admission

The G.E.D. (General Educational Development) examination is recognized in individual cases as a replacement for the high school diploma. Applicants should have copies of their scores and of the certificate forwarded directly to the Office of Admission, or if they are applying to the Center for Adult and Part-Time Students (CAPS), to that office. Candidates for admission who have taken the G.E.D. must complete an application for admission.

Home-Schooled Admission

Home-schooled students are recognized by the Office of Admission as eligible candidates for admission. Students who are home-schooled must submit an application for admission, the appropriate documentation from state and/or national home schooling accrediting agencies, official transcripts, scores of the ACT or SAT, and must interview with the Office of Admission.

Provisional Admission

Provisional admission may be granted by the Dean of Admission or the Dean of CAPS to a student who has been unable to complete arrangements for admission before registration dates. If the student fails to complete arrangements for formal admission within one month of the first day of class, the student's admission and registration will be canceled. Tuition paid will be refunded, but no fees can be refunded. Room and board charges will be prorated.

Enrollment Options for Current High School Students

Xavier University offers academically talented high school students the opportunity to enroll as nondegree students in undergraduate courses on a space available basis. Students are admitted through the Center for Adult and Part-Time Students (CAPS) in the following programs:

Summer Junior Program

Offered to high school students who have completed their junior year and who have a grade point average of at least a "B." Accepted students may take one course from selected offerings during the regular summer sessions at a nominal tuition charge. See <http://www.xavier.edu/summer/> for more information.

Jump Start

A special two-week, residential program for high-school sophomores and juniors who are interested in studying pre-medicine or forensic science and experiencing life on campus. See <http://www.xavier.edu/summer/> for more information.

Post-Secondary Enrollment Options Program

Xavier University participates in this statewide program which allows superior high school students to attend the University at no charge during the regular academic year. Contact the Office of Admission for additional information.

Collegium

Xavier University offers a unique opportunity for qualified high school students to earn college credit for successfully completing advanced high school courses that have been selected to be part of the University's Collegium program.

The Program is open to superior junior and senior students at participating high schools. It is intended for those students who have high grades and are judged by their faculty to have the competence, motivation, and maturity to earn college credit in advance of high school graduation. Students should be recommended by a teacher and regarded as capable of performing "B" or better work in the proposed course.

Admission Process for Non-Traditional Students (22 years of age and older)

Students 22 years of age and older who wish to apply for undergraduate admission must submit the following:

- A Center for Adult and Part-Time Students (CAPS) application for undergraduate admission, available on the web at <http://www.xavier.edu/caps/applications.cfm>.
- High school transcripts and/or G.E.D. scores. SAT and/or ACT scores, if available.
- An official transcript for each previously attended college or university.

Once admitted, students who were born after 1956 are required to submit proof of MMR (Measles, Mumps, and Rubella) immunization or immunity via measles titer.

A credential submitted for admission consideration becomes the property of the University. All credentials should be on file by the appropriate deadline. Please contact CAPS for deadline information.

Any falsification of information on the application or transcripts will be sufficient cause for disqualification for admission or dismissal from the University if the individual has enrolled. All tuition and fees paid and credit earned are forfeited under such dismissal.

Freshman Admission for Non-Traditional Students

Factors considered in making admission decisions for non-traditional students who have not previously attended a college or university include, but are not limited to, the following: the candidate's previous academic performance at the secondary school level, including the rigor of the curriculum pursued and the overall grade-point average achieved; results from either the ACT or SAT I exams if available; the candidate's rank in class (when available); life or work experiences; and any other factors which help to determine the candidate's potential for academic success.

Non-Degree Student Admission

Students who do not wish to pursue a degree but wish to take undergraduate courses at Xavier may be admitted and registered through the Center for Adult and Part-Time Students (CAPS). The application for non-degree admission is on the web at <http://www.xavier.edu/caps/non-degree-options.cfm>. There is no application fee, and transcripts do not have to be submitted. Non-degree students who wish to change to degree-seeking status at Xavier must follow the appropriate admission process.

Any student who has successfully completed college-level course work at another institution of higher education must arrange to have an official transcript sent directly from the each college/university attended to Xavier's Office of Admission (21 or younger) or The Center for Adult and Part-Time Students (22 or older).

Credit will be accepted for all college-level academic courses (except co-op and life experience) in which a grade of "C" or better has been earned at institutions of higher education that are accredited by one of the regional accrediting associations listed below:

- MSA – Middle States Association of Colleges and Schools Commission on Higher Education
- NWCCU—Northwest Commission on Colleges and Universities
- NCA—North Central Association of Colleges and Schools Higher Learning Commission
- NEASC—New England Association of Schools and Colleges
- SACS—Southern Association of Colleges and Schools Commission on Colleges
- WASC—Western Association of Schools and Colleges

Xavier's undergraduate colleges will accept course work successfully completed within the last ten years; credit over ten years old will not be accepted if the course in question belongs to the student's major, minor, or, in the case of business students, pertains to the "business core." Credits over ten years old which pertain to the undergraduate core curriculum or are general electives will usually be accepted.

The transfer credit, but not the grade, is recorded on the student's transcript. The grades are not computed in the student's Xavier grade-point average.

Waivers of Core Curriculum Requirements Based on Transfer Credit Earned

The waiver policy on the University core curriculum is as follows:

- The ethics/religion and society focus elective course will be waived for students who transfer 60 or more credit hours.
- Students with one transferred 3-credit literature course must take "Literature and the Moral Imagination" as their second literature course. Students with two transferred 3-credit literature courses will have fulfilled the literature requirement.
- For the subjects of philosophy, science, and theology, the following table lists the number of credit hours in that subject that must be completed at Xavier:

Philosophy, Theology, and Science Credit Hours Transferred to Xavier				
	0-1	2-4	5-7	8+
Credit Hours Needed at Xavier to Complete Requirements in Philosophy, Theology, and Sciences				
Total Credit Hours Transferred to Xavier:				
Less than 40	9	6	3	0
40-79	6	6	3	0
80+	3	3	3	0

Transfer students completing 9 credits in philosophy at Xavier take PHIL 100, PHIL 290, and PHIL elective. Those completing 6 credits at Xavier take only [PHIL 100](#) and [PHIL 290](#) . Those completing 3 credits at Xavier take only [PHIL 100](#) .

Transfer students completing 9 credits in theology at Xavier take [THEO 111](#) , THEO elective in scripture-history/Christian systematics and THEO elective in theological ethics/religion and culture. Those completing 6 credits at Xavier take [THEO 111](#) and THEO elective in scripturehistory/Christian systematics. Those completing 3 credits at Xavier take only [THEO 111](#) .

Students who transfer in two credit hours of a three-hour requirement may have the third hour waived. Students should contact the department chair of their major regarding this process.

Application of Credit to Xavier Degrees (Degree Residency Requirement)

At least one-half of the course requirements of the major or minor and the last 30 semester hours must be completed at Xavier University for all undergraduate degrees. At least 60 semester hours toward a bachelor's degree must be earned in accredited four-year institutions.

Earning Credit through Advanced Placement (AP) Examinations

Students who have successfully completed Advanced Placement courses and have taken the appropriate AP examinations may apply for college credit for this work. Xavier grants credit in a number of disciplines depending on the student's score on the appropriate AP examination. Ordinarily, a score of "4" or better in an Advanced Placement (AP) examination will earn the student an advanced placement with credit in that discipline. To see how AP exams equate to Xavier credit, see the AP chart at <http://www.xavier.edu/undergraduate-admission/admission-process/ap-chart.cfm>. Students must arrange to have official test scores sent to Xavier's Office of Admission. Xavier's school code is 1965.

Earning Credit through the College Level Examination Program (CLEP)

Xavier University participates on a limited basis in the College Level Examination Program (CLEP) of The College Board. Students should contact the Office of Admission (21 years of age or younger) or the Center for Adult and Part-Time Students (22 years of age or older) to determine if credit will be granted for CLEP examinations completed. Students must arrange to have official test scores sent to Xavier University. Xavier's school code

Earning Credit through the International Baccalaureate (IB) Program

Students who have successfully completed International Baccalaureate (IB) courses and have taken the appropriate Higher Level examinations may apply for college credit for this work. Xavier grants credit in a number of disciplines on an individual basis for the grades of 5, 6 and 7 earned in the IB higher level examinations. Additional information is available on the web at <http://www.xavier.edu/undergraduateadmission/admission-process/ib-chart.cfm>. Students must arrange to have official test scores sent to Xavier University. Xavier's school code is 1965.

Undergraduate Reactivation (Readmission)

An undergraduate student who previously attended Xavier and has not been registered for one year is required to complete a Reactivation Form before registering. The form is available in the Office of the Registrar. Applicants who wish to receive credit for coursework taken at another university during their absence from Xavier must submit an official transcript to the Office of the Registrar. See the section on "[Transfer Credit Policies](#)" for limitations on the acceptance of coursework. Students are reactivated under the current catalog year, unless an exception is made by the dean.

Students suspended from Xavier or from other institutions for poor academic performance will not be eligible for reactivation before the lapse of at least one fall or spring semester. In all cases, reactivation and the conditions for such will be determined by the dean of the appropriate college. All prior financial obligations must be settled with the Office of the Bursar prior to reactivation, and the student must be in good standing with the Division of Student Life and Leadership.

Veterans' Education

Xavier University is approved for the education and training of veterans and their eligible dependents under all existing public laws. Requests for information should be referred to the Director of Veterans' Educational Benefits (DVA), Office of the Registrar, Xavier University. Xavier is a Servicemembers Opportunity College (SOC). The toll-free number for DVA and SOC information is 1.800.368.5622.

GRADUATE ADMISSION

Graduate Admission

Web site address is www.xavier.edu/graduate-admission/
Health Services Administration Graduate Program

513 745-3687

XUMHSA@xavier.edu

Master of Business Administration Graduate Program

513 745-3525

XUMBA@xavier.edu

Master of Science in Nursing Program

513 745-4392

GOMEZ@xavier.edu

Psychology Graduate Program

513 745-1053

MAYBURY@xavier.edu

Office of Graduate Services (all other graduate programs)

513 745-3360

XUGRAD@xavier.edu

Admission Status

Graduate students who have been admitted to Xavier University are designated as:

- Degree students - those students officially accepted into a graduate degree program.
- Non-degree students - those students who have not been officially accepted into a graduate degree program. No more than six semester hours earned while classified as a non-degree student may be transferred to a degree program. Please note: some graduate programs require the director's permission to enroll as a non-degree student. Not all programs offer non-degree studies. Check with the respective office for details.
- Licensure/Endorsement seeking - those students officially accepted in a licensure/endorsement program.

Admission—Degree Students

Materials for admission to most graduate programs should be sent to the Office of Graduate Services. Master of Business Administration (MBA) applicants should send all materials to the MBA Office. Master of Health Services Administration (MHSA) applicants should send all materials to the MHSA Office. Admission materials for graduate programs in psychology (MA, & PsyD) should be sent to the Department of Psychology. Admission materials for graduate programs in nursing (MSN) should be sent to the School of Nursing. Non-degree admission is not available for the MBA program.

To be considered for admission, a student must do the following:

- Submit a completed degree application form. Applications can be obtained from the Office of Graduate Services, the MBA office, the Department of Psychology, The Department of Nursing, or the MHSA Office. The current application fee must accompany the application form.
- Send one official transcript from all colleges or universities previously attended. The bachelor's degree must have been earned from a regionally accredited institution; three year bachelor degrees are not acceptable for admission consideration.
- Arrange for applicable official test scores to be sent:
- Master of Business Administration applicants - Graduate Management Admission Test (GMAT);
- Master of Health Services Administration applicants - Graduate Management Admission Test (GMAT) or Graduate Record Exam (GRE);
- Master of Science in Nursing applicants - Graduate Record Exam (GRE) or Graduate Management Admission Test (GMAT) is accepted;
- Occupational Therapy - Graduate Record Exam (GRE);
- Doctor of Psychology and Master of Arts in Industrial/Organizational Psychology and General Experimental Psychology - Graduate Record Exam (GRE) general knowledge required and Psychology Subject Test recommended. Psychology Subject Test required for those without psychology as their major or minor;
- Other Graduate Programs:
The Miller Analogies Test (MAT) or the Graduate Record Exam (GRE) is accepted for the following programs: The MA programs in counseling and theology; the MEd programs; and the MS in criminal justice. The MA program in English requires either the GRE or two academic letters of reference. In most cases, the test requirement is waived for students who currently hold a graduate degree.
- A student for whom English is not the primary language may be asked to demonstrate proficiency in the English language by taking the Test of English as a Foreign Language (TOEFL).
- Submit other required documents as specified for individual programs.

Credentials received become the property of the University. Notification of acceptance or denial is sent to each applicant as soon as possible after receipt of all required materials. Official acceptance for graduate study is valid for a one-year period from the date of acceptance. Failure to enroll within the one-year period invalidates the acceptance and the individual must be readmitted to the program. Contact the Office of Graduate Services to inquire about readmission.

Admission—Non-degree Students

(does not include MBA)

To apply for admission as a non-degree student, one must submit a completed non-degree application form and current application fee to the Office of Graduate Services. Credentials received for admission become the property of the University. Non-degree admission is not available for the MBA program. Non-degree students are subject to the following restrictions:

- Some courses are not available to non-degree students. Contact the Office of Graduate Services 513 745-3360 for information about specific courses. MHSA courses may not be taken without permission of the director of the Graduate Program in Health Services Administration. Psychology courses may not be taken without permission of the chair of the Psychology Department.
- Although there is no limit to the number of courses that may be taken as a non-degree student, **no more than six hours taken in non-degree status may be applied toward a graduate degree.**
- A non-degree student may apply to a degree program by completing the application process for degree status.
- Non-degree students are subject to all University policies described in the catalog.

Teacher Licensure/Endorsement Admissions

The Licensure/Endorsement admission is used for the following programs: traditional Early Childhood, Middle Childhood, Secondary, Special Education, Montessori Early Childhood, School Counseling, Community Counseling, Educational Administration, and Reading. To be considered for admission in one of these licensure or endorsement programs, a student must do the following.

- Submit a completed licensure/endorsement application form. Applications can be obtained from the Office of Graduate Services. The current application fee must accompany the application form.
- Send one official transcript from all colleges and universities previously attended. The bachelor's degree must have been earned from a regionally accredited institution.
- Before you may be considered for the traditional Early Childhood Licensure Cohort you must be admitted into the Master of Education program. Meet with an advisor to determine any prerequisite courses that might need to be taken before consideration is made for the early childhood cohort group that is selected during the spring semester each year.
- To be considered for the licensure programs in early childhood education, secondary education, Montessori, middle childhood or special education, you must first meet with an advisor in that program.

- To be considered for the School Counseling or Community Counseling licensure program you must also submit a 500 word statement of purpose and a resume.
- A student for whom English is not the primary language may be asked to demonstrate proficiency in the English language by taking the Test of English as a Foreign Language (TOEFL).
- A statement of moral character must be signed and notarized
- Some programs also require three letters of recommendation.

Credentials received become the property of the University. Notification of acceptance or denial is sent to each applicant as soon as possible after receipt of all required materials. Official acceptance for a licensure program is valid for a one-year period from the date of acceptance. Failure to enroll within the one-year period invalidates the acceptance and the individual must be readmitted to the program. Contact the Office of Graduate Services to inquire about readmission.

Admission—International Students

XUGLOBAL@XU.edu

To apply for admission, the student must submit the following items to the appropriate graduate admission office. Credentials received for admission become the property of the University.

- An international student application form.
- Evidence of proficiency in the English language. A Test of English as a Foreign Language (TOEFL) score of 550, or a computer based test score of 213, for graduate students is required. Students who want to improve their English skills can enroll in Xavier's English as a Second Language (ESL) program. To enter graduate degree programs, graduate ESL students need to obtain a TOEFL score of 550 (or a computer based test score of 213) and an average of "B" in ESL courses; and meet all other admission requirements. Internet based score should be 80 or higher with sub-scores of 20 or higher in each of the four subsections.
- Official transcripts of the total college or university academic record (not just a diploma) from all schools attended (mark sheets should be provided where pertinent). Transcripts must have original signature and institution seal. Attested or "true" copies are not acceptable unless certified by an authorized official. An official evaluation of undergraduate transcripts by the World Education Service or equivalent agency placing the foreign education into the American system.
- Recommendation letters are required by some programs.
- Graduate Management Admissions Test (GMAT), Graduate Record Exam (GRE), or other necessary test scores.
- Certified English translation accompanying all documents not issued in English.
- (a) All documents must be received by the appropriate admission office for an admission decision to be made and hence for an I-20 form to be issued. (b) a separate statement from an official source to show that the student or sponsor is able to meet the expenses.

All documents must be received by the appropriate admission office before a Form I-20 will be issued. International students who have been admitted to the University must meet the University's campus housing requirement (see [Residence Life](#)). Prior to the start of classes, students must submit immunization records and personal health history. International students must have health insurance equivalent to what is offered through Xavier University.

Graduate Reactivation

A degree-seeking graduate student who previously attended Xavier and has not been registered for one full academic year must notify the Office of the Registrar or the appropriate admission office before attempting to register for classes again and continuing in the course of study. Applicants who want credit for coursework taken at another university during their absence from Xavier must submit an official transcript to their respective program director for credit review. See the entry [Transfer Students](#) below for time limitations on the acceptance of coursework. Students are reactivated under the current catalog year, unless an exception is made by the dean.

Students suspended from Xavier or from other institutions for poor scholarship will not be eligible for reactivation before the lapse of at least one fall or spring semester. In all cases, reactivation and the conditions for such will be determined by the dean of the appropriate college. All prior financial obligations must be settled with the Office of the Bursar prior to reactivation.

Transfer Students

Master's Degree

A maximum of six semester hours (or the equivalent) of graduate work completed at another accredited graduate school prior to initial admission to Xavier University may be transferred with the permission of the program director, the chair and the dean. In some cases, exceptions are made to the maximum number of transfer hours. Coursework that is part of a previously earned graduate degree is not accepted for transfer credit. Courses in which grades of "A" or "B" (3.000 or higher) are transferable. Credit earned through correspondence or television courses is not accepted. Decisions regarding transfer credit are made at the time of admission to degree seeking status.

A consortium of AACSB accredited Jesuit business schools has a reciprocity agreement stating that the majority of MBA credits taken by a student may be transferred into or from one consortium member to another, up to half of the core curriculum of any program, dependent upon the rules of each university or college. Contact the MBA Office or visit www.JesuitMBA.org for details.

Doctor of Psychology

Students accepted into the doctoral program who already hold a master's degree in a field akin to clinical psychology, may expect a portion of the previous graduate work to be credited toward fulfillment of the doctoral degree requirements. The allowable number of transferable credit hours may vary. In all cases a minimum of 72 hours of the required 114 must be completed at Xavier University.

Petitions for transfer of credit will be granted with the recommendation of the Department Chair and approval of the Dean of the College of Social Sciences, Health, and Education. Courses taken more than six years prior to entering the doctoral program will normally not be accepted for transfer.

Courses Taken at Other Institutions

Graduate credit completed at another university is not transferable toward a graduate degree at Xavier once the student has begun a graduate program at Xavier. Exceptions to this policy may be made when:

- A student is permanently transferred to another city by family obligations.
- A student is specifically directed by the program director, chair or dean to take a course not available at Xavier.
- Up to six semester hours of graduate course work obtained in the Greater Cincinnati Consortium of Colleges and Universities may be applied to a master's degree taken at Xavier, with the advanced written permission of the program director or dean. As a matter of policy, the official academic record lists only those graduate courses from other universities which apply toward an advanced degree or pertain to certification.

Undergraduate Enrollment in Graduate Courses

A currently enrolled Xavier University undergraduate student may begin graduate course work in certain areas of study, excluding the MBA and psychology (M.A. and Psy.D.) programs, as a non-degree graduate student if the student is within 12 hours of completing the undergraduate degree. The student must be in good academic standing and must obtain written approval from the appropriate dean and program director. The student must complete the non-degree graduate application for admission and return it to the appropriate admission office with the written permission attached.

All graduate courses taken will be for graduate credit only; the credit hours completed for graduate credit may not count toward the student's undergraduate degree. No more than 6 credit hours taken as a non-degree graduate student may apply toward a graduate degree. Some courses are not available to non-degree graduate students.

NOTE: Students enrolled in the "Accounting 150 Credit Hour Program" should consult their department for exceptions to these policies.

Veterans' Education

Xavier University is approved for the education and training of veterans and their eligible dependents under all existing public laws. Requests for information should be referred to the Director of Veterans' Educational Benefits, Office of the Registrar, Xavier University. Xavier is a Servicemembers Opportunity College (SOC). The toll free number for DVA and SOC information is 1-800-368-5622.

Reservation of Rights

Xavier reserves the right to modify its graduation and other requirements as deemed necessary from time to time. The University will attempt to comply with the requirements published in the catalog for the year a student initially registers, provided the student continues in attendance without interruption of more than a year. Students who interrupt their attendance by more than a year and who later return must meet curricular requirements as determined by their dean.

UNDERGRADUATE ACADEMIC POLICIES AND REGULATIONS

Undergraduate Academic Policies and Regulations

General Policies

The policies listed here affect all undergraduate students. Some degree programs have special policies which are specified within individual program descriptions. Refer to the " [Registration](#) " section of the catalog for general registration policies which affect both undergraduate and graduate students.

Classification and Enrollment Status of Undergraduate Students

- Freshmen - students who have earned 0 through 23.99 credit hours
- Sophomores - students who have earned 24 through 54.99 credit hours
- Juniors - students who have earned 55 through 89.99 credit hours
- Seniors - students who have earned a minimum of 90 credit hours
- Non-degree - students who have not declared themselves candidates for a degree at Xavier
- Visiting (transient) - students from another college or university taking courses as a non-degree student at Xavier for transfer back to their home institution
- Auditors - students taking courses but not for college credit
- Full-time: summer, fall or spring - any student attempting 12 or more semester credit hours (selected programs, have semesters designated full-time regardless of hours attempted)
- Part-time: summer, fall or spring - any student attempting up to 11 semester credit hours (three-quarter time is 9-11 semester credit hours; half-time is 6-8)

Undergraduate Grading System

A = Exceptional	F = Failure
A-	VF = Failure to officially withdraw
B+	W = Official withdrawal
B = Good	I = Incomplete, changed when grade is assigned.
B-	(see Incomplete Work)
C+	AU = Audit - no credit or grade earned
C = Satisfactory	S = Passing/Satisfactory, credit earned
C-	U = Not passing/Unsatisfactory, no credit earned
D+	NC = No credit earned, non-graded course
D = Minimum passing	NR = No grade reported
D-	

No grade change can be made later than the 15th calendar day after the beginning of the next academic semester (fall or spring) except in the case of a resolved Grade Grievance. "S/U" grades are given in certain pass/fail courses, in place of letter grades. The grade of "S" does not equate with letter grades and is transferable to other universities only upon their approval.

Quality Points

The quality point is the unit used to measure student achievement in a course. The number of quality points received for any course is equal to the number of points attached to the grade received, multiplied by the number of credit hours for the course. Quality points are calculated as follows:

A = 4.00 quality points per credit hour	D+ = 1.33 quality points per credit hour
A- = 3.67 quality points per credit hour	D = 1.00 quality point per credit hour
B+ = 3.33 quality points per credit hour	D- = 0.67 quality points per credit hour
B = 3.00 quality points per credit hour	F = 0.00 quality points per credit hour
B- = 2.67 quality points per credit hour	VF = 0.00 quality points per credit hour
C+ = 2.33 quality points per credit hour	I = 0.00 quality points per credit hour
C = 2.00 quality points per credit hour	U = 0.00 quality points per credit hour
C- = 1.67 quality points per credit hour	

The student's term grade point average (GPA) is computed by dividing the total number of quality points by the total number of quality hours in that term. "W", "AU", "S", "NC" and "NR" grades are not calculated into quality points, nor quality hours and, therefore, do not affect the GPA. The cumulative GPA is based on all terms at Xavier.

The semester hours in courses in which an "S" (satisfactory) grade is earned will count toward the University's minimum semester hour requirement of 120 for graduation with a baccalaureate degree or 60 with an associate degree. However, if the grade earned is "U" (Unsatisfactory), both the credit hours and the quality points are computed into the student's cumulative grade point average.

Course Numbering

Courses are numbered in the following way:

- 100 to 199 - undergraduate lower division courses
- 200 to 499 - undergraduate upper division courses
- 500 and above - graduate level courses; open only to graduate students

Credit Hours, Semester

A semester credit hour is equivalent to fifteen class hours per term. A weekly two- or threehour period of laboratory work is considered equivalent to one credit hour. The credit hours for work in internships, practicums and student teaching vary.

The number of credit hours which each course carries is provided in the course description section of this catalog. The courses are listed in numerical order within the various departments in the back of this catalog.

Excess Credit Hour Courseload

The following maximum course loads may only be exceeded with permission from the student's dean, even if the additional hours are to be taken for audit. Excess hours carry additional fees, unless departmental policy requires the excess.

1. Fall or spring - 18 hours
2. Summer - 7 hours each session, not to exceed 14 hours for the entire summer.

Prerequisites

When selecting courses, students must adhere to required prerequisites and special course restrictions established by the colleges and academic departments. Prerequisites must be passed with the minimum acceptable grade before subsequent courses may be taken.

Repetition of Courses (Repeat Policy)

Students need to initiate this process. A course previously taken for credit may be repeated up to two additional times, including any withdrawals. The credit hours of the repeated course are counted only once. While all grades are entered on the student's official academic record, and appears on a student's transcript only the most recent grade counts in the student's grade point average, even if it is the lowest. Academic bankruptcy does not eliminate the term's courses from counting as repeated courses.

Undergraduate

Some courses may not be repeated:

- [MATH 105](#) , [MATH 120](#) , and [MATH 150](#) may not be repeated after successful completion of a more advanced math course.
- An elementary or intermediate foreign language course may not be repeated after successful completion of a more advanced course in the same language.

Graduate

Courses completed in a student's undergraduate program or in another graduate program cannot be repeated for graduate credit. Courses applied to another degree, either at Xavier or another institution, may not be applied to any master's degree at Xavier.

Auditing Courses

Anyone wishing to audit a course may do so. An audited course does not carry credit or earn quality points or fulfill a requirement. Regular tuition rates apply. If audit requirements are not met a "W" grade may be assigned.

Dean's List

In any term, undergraduate students who complete at least six credit hours for grades (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, VF, I, U) with a grade point average of at least 3.500 are placed on the Dean's List for that term.

Incomplete Work

Course assignments are due at the time specified by the instructor. Extension of time beyond the termination of the course is rarely granted and only for a serious reason. If an extension of time is granted, the grade of "I" (Undergraduate Incomplete) will be assigned and calculated as an "F" in the grade point average. Unless the work is completed and submitted by the fifteenth calendar day of the academic semester following the course, the student will fail the course and the "I" will be permanently changed to an "F" (Summer term is excluded). Exceptions to this policy must be approved in writing by the appropriate dean prior to that date. The faculty member initiates the grade change process once the student has made up the incomplete work. Deadlines for short-term courses may vary; please refer to program handbook or director.

A student missing the final examination of a course receives an "F" or "VF" unless prior approval has been obtained from the dean, in which case the grade of "I" will be given. The same completion deadline applies as explained in the paragraph above. The final examination schedule is published in each semester's Schedule of Classes bulletin.

If the student is deferred for graduation due to a grade of "I" (Incomplete), he or she may be eligible for the original date of graduation. Work must be completed, graded and recorded within thirty calendar days of that term's graduation date.

Undergraduate Enrollment in Graduate Courses

A currently enrolled Xavier University undergraduate student may begin graduate course work as a non-degree graduate student if the student is within 12 hours of completing the undergraduate degree. The student must be in good academic standing and must obtain written approval from the appropriate dean and program director. The student must complete the nondegree graduate application for admission and return it to the Graduate Services Office or the MBA Office with the written permission attached.

All graduate courses taken will be for graduate credit only; the credit hours completed for graduate credit may not count towards the student's undergraduate degree. No more than 6 credit hours taken as a non-degree graduate student may apply toward a graduate degree. Some courses are not available to non-degree graduate students. Psychology graduate courses are not available.

NOTE: Students enrolled in the "Accounting 150 Credit Hour Program" should consult their department for exceptions to these policies.

NOTE: Students in the Masters of Occupational Therapy program may take eleven graduate hours after they have completed 114 undergraduate hours.

Class Attendance

In order to earn credit in any course for which he/she is registered, the student is required to attend classroom and laboratory exercises regularly and promptly. Unexcused absence from a previously announced test may incur the penalty of a failure in that particular test. Regular attendance and missed class and test procedures are determined by the individual faculty members. Students should consult the class syllabi for current policy regarding attendance, grading, procedures, etc., by individual faculty members.

Courses at Other Institutions

Consortium Courses

Courses not available at Xavier may be taken through the Greater Cincinnati Consortium of Colleges and Universities. For courses taken through the consortium, both the credit and the grade earned are recorded on the student's Xavier record and the quality points are computed into the student's Xavier grade point average. For a list of the consortium schools, see "Consortium Opportunities" in this catalog. The student must be at least half-time and must bring written approval for consortium enrollment from the dean of his/her college to the Office of the Registrar. Contact the Office of the Registrar for more information. Consortium courses may not be taken in the last 30 hours at Xavier unless approved by a college dean.

Non-Consortium Courses

Students desiring to take courses at an accredited non-consortium university must receive prior approval from their dean. Normally no more than 15 hours may be taken at another institution and applied toward a degree after a student has matriculated at Xavier. The student usually must present a catalog with a description of the desired course. Courses from these institutions are treated as transfer credit. Credit is granted provided a grade of "C" or better was earned. The grade is not placed on the student's Xavier record, nor is it computed into the student's Xavier grade point average.

General Electives

General electives are fulfilled by courses of the student's choice as long as appropriate prerequisites are completed. Students may not apply more than 12 hours of any business area or 30 hours of total business courses toward electives.

Change of Major or Minor, Adding a Major or Minor

A student wishing to change or add a major or minor must receive approval from the dean. A student wishing to change majors from one undergraduate college (Arts & Sciences, Business, Social Sciences) to another must receive the written approval of both deans involved, beginning with the dean of the college the

student is leaving. A student wishing to change majors within the same college must receive the written approval of the dean of the college and the department chair for the student's new major. The change of major is effective immediately upon processing by the Office of the Registrar unless noted by the dean.

Application for Degree and Graduation

Students initiate the process of graduation by completing a Graduation Application, available online and from the Office of the Registrar. It is recommended that the student meet with the academic advisor or program director before registering for the final term of work to ensure that all degree requirements will have been met by the end of that term. Utilize the Degree Evaluation report available online and at the Office of the Registrar to assist you with your graduation check out.

The student must submit a Graduation Application form to the Office of the Registrar before the deadline published in the semester Schedule of Classes and in the [Academic Calendar](#). The graduation fee will be added to the student's Bursar account, and an additional fee will be incurred for applications received after the deadline. If the requirements for the degree are not completed at the time specified on the application, the student must submit a new Graduation Application form. The graduation fee is a onetime charge, per each degree awarded.

Degrees are granted three times each year: in August for those completing programs during the summer, in December for those completing programs in the fall semester, and in May for those completing programs during the spring semester. Commencement exercises are held each May for graduates from the entire previous academic year.

Students whose degree requirements are completed, graded, and recorded within thirty calendar days of that term's graduation date may receive a diploma dated for that term. Students must have satisfied all financial obligations to the University before the diploma or academic transcript can be released.

Graduation Honors

Honors are awarded on the basis of outstanding achievement only at the undergraduate level. For a bachelor's degree, a student who has earned a quality point average of 3.900 to 4.000 in Xavier course work will be graduated summa cum laude; one who has earned 3.750 to 3.899, magna cum laude; one who has earned 3.500 to 3.749, cum laude. For an associate's degree, a student who has earned a quality point average of 3.900 to 4.000 in Xavier course work will be graduated "with highest honor;" one who has earned 3.750 to 3.899 "with high honor;" one who has earned 3.500 to 3.749, "with honor." These honors are inscribed on the student's diploma and recorded on the student's permanent academic record.

Transfer students with appropriate grade point averages are eligible for honors at graduation if they have completed at least 60 quality hours at Xavier University for a bachelor's degree or at least 30 quality hours at Xavier University for an associate's degree. If the student takes the Cultural Diversity Elective (CDE) requirement at Xavier on a pass/fail basis, the requirement for Xavier quality hours is reduced to 59 or 29 respectively (for two credit CDE classes, to 58 or 28 respectively; for three credit classes, to 57 or 27 respectively).

Honor cords may be worn by any student who graduates or participates in the May Commencement ceremony, if those honors were earned by the day of the ceremony.

Academic Standing

Actions regarding academic warning, probation, suspension, dismissal, and academic reactivation will be noted on the student's permanent academic record.

Good Standing

A student in "good standing" is defined as a student who has earned a cumulative grade point average of 2.000 or better (a "C" average or better).

Academic Warning

Any freshman in a baccalaureate program whose cumulative average is 1.750 to 1.999 receives an academic warning. A warning may be issued for one semester only and may not follow a term on probation.

Academic Probation

Any student in an associate's degree program whose cumulative average falls below 2.000 is placed on academic probation.

A freshman in a baccalaureate program whose cumulative average falls below 1.750 is placed on academic probation.

Any upperclassman in a baccalaureate program whose cumulative average falls below 2.000 is placed on academic probation.

Academic probation can be imposed by a dean at the end of any term. While on probation a student may be restricted to a reduced course load, and/or receive other stipulations intended to improve the student's academic success. Academic probation is removed when the student's cumulative average rises to 2.000 or above.

Academic Suspension

Students on academic probation who fail to restore their cumulative grade point average to 2.000 within two semesters will be suspended. In addition, Freshmen and probationary students who receive more than one failing grade within a single term will be suspended. Suspension will be enforced unless in the judgment of the dean there are extenuating circumstances. One fall or spring term must elapse before a suspended student may reapply.

Academic Reactivation

A suspended student who wishes to return is required to complete a Reactivation Form, available in the Office of the Registrar or dean's office. Reactivation and the conditions for such will be determined by the dean of the college which issued the suspension letter. All prior financial obligations must be settled with the Office of the Bursar prior to reactivation.

Academic Dismissal

A student who has been readmitted after a period of suspension and who fails to meet the terms of the readmission as stipulated by the appropriate college dean will be dismissed from Xavier and is not eligible to return.

Writing Standards

In written work for class assignments, the University requires a high quality of writing. Instruction is available, through course work and through the James E. Glenn Writing Center, to help students attain this high level of quality. Faculty members may refuse to accept an assignment that does not meet acceptable standards.

Eligibility for Participation in Extracurricular Activities

In order to be eligible for participation in extracurricular activities, a student must maintain a cumulative average of 2.0 or greater. This is understood in the following manner:

- Freshmen or new students at Xavier, admitted on the standards specified by the University are eligible for the entire year, provided they earn a minimum cumulative 1.75 grade point average after the first semester of eligibility;
- Students with sophomore standing or higher must have a 2.0 at the beginning of the academic year. They will be eligible to participate in extracurricular activities the entire year. Those who begin the fall semester below the eligibility standards will be ineligible for the entire year.
- Xavier University Student Athletes need to reference the Student Athlete Handbook for midyear and year-end progress toward degree requirements.

Academic Bankruptcy

Academic bankruptcy allows an undergraduate to continue work toward a college degree without being severely burdened by a term with a high proportion of low or failing grades. Academic bankruptcy means that all credits and all grades for a given term are excluded from the computation of a student's grade point average, and the hours earned during the term will not be counted toward graduation. For this policy, the entire summer is considered one term.

A student may apply to the college dean for academic bankruptcy after the completion of a subsequent term of satisfactory performance. Satisfactory performance is defined as a grade point average of 2.000 in a term at Xavier that includes at least 6 credits of graded courses and no course withdrawals. The granting of academic bankruptcy may occur only once in a student's academic career at Xavier University and is irrevocable. Actions regarding course repetition, warning, probation, suspension, dismissal, and reactivation are not modified by this policy.

Academic Honesty

The pursuit of truth demands high standards of personal honesty. Academic and professional life requires a trust based upon integrity of the written and spoken word. Accordingly, violations of certain standards of ethical behavior will not be tolerated at Xavier University. These include theft, cheating, plagiarism,

unauthorized assistance in assignments and tests, unauthorized copying of computer software, the falsification of results and material submitted in reports or admission and registration documents, and the falsification of any academic record including letters of recommendation.

All work submitted for academic evaluation must be the student's own. Certainly, the activities of other scholars will influence all students. However, the direct and unattributed use of another's efforts is prohibited as is the use of any work untruthfully submitted as one's own.

Penalties for violations of this policy may include one or more of the following: a zero for that assignment or test, an "F" in the course, and expulsion from the University. The dean of the college in which the student is enrolled is to be informed in writing of all such incidents, though the teacher has full authority to assign the grade for the assignment, test, or course. If disputes of interpretation arise, the student, faculty member, and chair should attempt to resolve the difficulty. If this is unsatisfactory, the dean will rule in the matter. As a final appeal, the academic vice president will call a committee of tenured faculty for the purpose of making a final determination.

Grade Grievance Procedure

This policy applies to both graduate and undergraduate students.

Students may appeal final grades if they believe that the grade was awarded unfairly. The student is responsible for the burden of proof, and must be able to provide some evidence of the lack of fair treatment in order to file a formal grievance. The following procedure must be followed when filing such an appeal.

The instructor is obligated to participate in the grade grievance process. If the instructor does not participate, the chair and/or dean will proceed without the instructor.

- The student shall indicate in writing to the chair of the appropriate academic department that he/she is appealing the grade. This notification must be submitted in person or postmarked by February 1 for fall grades, June 15 for spring grades, and September 1 for summer grades.
- The student shall meet with the instructor to try to resolve the grade dispute before February 15 for fall grades and before September 15 for spring and summer grades.
- If a resolution is not reached and the student still believes that the grievance has merit, the student shall submit a request in writing to the department chair for a meeting with the chair and the instructor. This request should indicate when the meeting with the instructor was held and its outcome; explain exactly how the instructor's action was unfair; and be received by the department chair by March 1 for fall grades and October 1 for spring and summer grades. The student then meets with the department chair and instructor to try to resolve the dispute at this level.
- If a resolution is not reached and the student wishes to pursue the grievance, he/she shall submit the statement from step #3, along with all evidence and documentation which supports the allegation, to the dean of the appropriate college. This should be done within five working days after meeting with the department chair and the instructor.
- The dean shall convene a committee, composed of him/herself, three faculty members and two students, to conduct a hearing on the grievance. Two of the faculty members shall be from within the college and one from outside the college in which the instructor is located, and all shall be appointed by the dean. The two students shall have the same status as the grieving student (either graduate or undergraduate). If undergraduate, they shall come from a pool of 4-6 students appointed by the president of student government. One student shall be from within the college in which the grieving student is enrolled, and one shall be from outside the college. The dean shall choose the two students from the pool. If graduate, the dean shall meet with the appropriate graduate student organizations from the colleges to select the two students to sit on this committee.

The committee shall hold a hearing chaired by the dean. The instructor and the student shall be present and each shall be allowed an advisor (from within the University community) and shall be permitted to present witnesses. The committee, advisors, instructor and student shall all have the right to question the witnesses. The committee shall deliberate in closed session, and must present its decision in writing to the student and the instructor within five working days after the decision is reached. If the committee's decision is that the grade given was inappropriate, the academic vice president shall authorize the registrar in writing to change the grade.

- The decision of the committee is final unless new evidence or new witnesses not previously considered or heard at the hearing become available. The student must submit this new evidence to the academic vice president within ten working days following the receipt of the committee's decision and must indicate precisely how this evidence or testimony relates directly to the alleged unfair awarding of the disputed grade.
- The decision of the academic vice president is final. There is no further appeal.

Disciplinary Action

Xavier University expects the conduct of its students on and off campus to be in accordance with the standards of society. All students are expected to abide by the rules of conduct specified in the Code of Student Conduct as well as the Residence Life Handbook and the Standards for Off-Campus Living. A student violating any University regulation will be subject to disciplinary action. In minor cases, the appropriate staff member (usually from the Office of Residence Life or Student Services) will take action after consultation with the student.

Serious cases of misconduct will be presented before the associate vice president for student development/dean of students or the University Disciplinary Board. The associate vice president for student development/dean of students or the Board, after hearing a case in accordance with established procedures, will determine the penalty, if any. The associate vice president for student development/dean of students and/or the Board have the power to suspend or expel any student found to be in serious violation of any University regulation. Academic credits for courses in which the student is currently enrolled may be lost by a student who is

dismissed or expelled from the University before the end of the semester. Refer to the discipline hearing procedures section of this catalog for more specific information.

Disciplinary records are confidential and are maintained by the Office of the Vice President for Student Development for a period of three to five years. The University may choose to notify parents of disciplinary action taken against a student.

Academically related discipline problems will be addressed through the appropriate department chair, dean and academic vice president.

Xavier University reserves the right to dismiss a student if, in the judgment of University officials, such action would be in the physical, mental, emotional or moral best interests of the student or is considered necessary for the welfare of the University. A student also may be required to withdraw for reasons of poor scholarship, failure to remove academic probation, or misconduct.

Comprehensive Examinations

Comprehensive examination requirements vary according to each program and are found in the program descriptions in this catalog. A student who fails the comprehensive examination may appeal to the program director to repeat the examination during a subsequent term (only one examination attempt is permitted during the summer). A second failure will result in dismissal from the program.

Xavier University Institutional Review Board (IRB)

Xavier has established an Institutional Review Board (IRB) for the protection of human subjects participating in research conducted by or on students, faculty or staff of the University. This includes research performed at Xavier under contractual arrangements with outside research organizations. In these cases, such contracts are subject to review and the research protocol portion of the contract is subject to Xavier IRB review.

The Xavier IRB is guided by the ethical principles set forth by the National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research in Ethical Principles and Guidelines for the Protection of Human Subjects of Research: The Belmont Report.

In addition, the IRB attempts to insure compliance with the requirements set forth in Title 45, Part 46 of the Code of Federal Regulations.

Xavier University Professional Review Board (PRB)

A number of programs offered by the University qualify graduates to stand for certificates to practice professions involving vulnerable individuals (children, the ill, the mentally or physically challenged). Besides having academic knowledge and skills, they must also have the capacity to serve and help their future clients through intimate human contact.

When a student is found by their program or department to lack interpersonal skills necessary for activity as a professional, this Review Board, made up of certified, practicing professionals, serves as the student's appeal source. Instructors may also appeal to the Board if they are dissatisfied with their department's or program's lack of concern about an individual student's behavior.

Student Responsibility

It is the responsibility of the student to become informed about all regulations and procedures required by the program and by the University. **In no case will a regulation be waived or an exception granted because a student pleads ignorance of the regulation or asserts that information was not given by an advisor or other authority.** The advisor should be consulted concerning requirements, deficiencies, the planning of a program, and special regulations.

Reservation of Rights

Xavier reserves the right to modify its graduation and other requirements as deemed necessary from time to time. The University will attempt to comply with the requirements published in the catalog for the year a student initially registers, provided the student continues in attendance without interruption of more than a year. Students who interrupt their attendance by more than a year and who later return must meet curricular requirements as determined by their dean.

GRADUATE ACADEMIC POLICIES AND REGULATIONS

Graduate Academic Policies and Regulations

General Policies

The policies listed here affect all graduate students. Some degree programs have special policies which are specified within individual program descriptions. Refer to the "registration" section of the catalog for general registration policies which affect both undergraduate students and graduate students.

No more than six credit hours taken as a non-degree graduate student may apply toward a graduate degree. Some courses and/or programs are not available to non-degree graduate students.

Classification and Enrollment Status of Graduate Students

- Full-time: 9 hours or more
- Part-time: 6 to 8.99 is 3/4 time; 4.5 to 5.9 is 1/2 time; 3.0 to 4.49 is 1/4 time.

Graduate Grading System

Plus/Minus grading is applicable to all courses numbered 500 or above unless a departmental policy dictates otherwise. The "+" (plus) increases a letter grade by .33, and "-" (minus) decreases a letter grade by .33.

A = Exceptional

VF = Failure to officially withdraw

A-

W = Official withdrawal

B+

M = Incomplete, changed when grade is assigned. (see Clearance of Incompletes)

B = Good*

AU = Audit - no credit or grade earned

B-

S = Passing/Satisfactory, credit earned

C+

U = Not passing/Unsatisfactory, no credit earned

C = Minimal**

NC = No credit earned, non-graded course

F = Failure

* minimum for credit in courses below 500 level

** minimum for credit in courses 500 level and above

No grade change can be made later than the 15th calendar day after the beginning of the next academic semester (fall or spring) except in the case of a resolved Grade Grievance. "S"/"U" grades are given in certain pass/fail courses, in place of letter grades. The grade of "S" does not equate with letter grades and is transferable to other universities only upon their approval.

Quality Points

The quality point is the unit used to measure student achievement in a course. The number of quality points received for any course is equal to the number of points attached to the grade received multiplied by the number of quality hours yielded by the course. Quality points are computed as follows:

A = 4.00 quality points per credit hour

C+ = 2.33 quality points per credit hour

A- = 3.67 quality points per credit hour

C = 2.00 quality points per credit hour

B+ = 3.33 quality points per credit hour

F = 0.00 quality points per credit hour

B = 3.00 quality points per credit hour

VF = 0.00 quality points per credit hour

B- = 2.67 quality points per credit hour

U = 0.00 quality points per credit hour

The student's term grade point average (GPA) is computed by dividing the total number of quality points by the total number of quality hours in that term. "W", "M", "AU", "S" and "NC" grades are not calculated into quality points, nor quality hours and therefore do not affect the GPA. The cumulative GPA is based on all terms at Xavier.

The semester hours in courses in which an "S" grade is earned will count toward the University's minimum requirement of 30 semester hours for graduation with a master's degree. However, if the grade earned is "U" (Unsatisfactory), both the credit hours and the quality points are computed into the student's cumulative grade point average.

Course Numbering

Courses are numbered in the following way:

100 to 199 - undergraduate lower division courses, for undergraduate credit only.

200 to 499 - undergraduate upper division courses; selected courses are open to graduate students for graduate credit. Some degree programs in the College of Arts and Sciences and the College of Social Sciences accept none or a limited number of such courses. The graduate program in the Williams College of Business and the graduate program in Health Services Administration accept no undergraduate level courses for graduate credit.

500 and above - graduate level courses for graduate credit only; open to graduate students only.

Credit Hours, Semester

A semester credit hour is equivalent to fifteen class hours per term. A weekly two- or three hour period of laboratory work is considered equivalent to one credit hour. The credit hours for work in internships, practicums and student teaching vary.

The number of credit hours which each course carries is provided in the course description section of this catalog. The courses are listed in numerical order within the various departments.

Excess Credit Hour Course Load

The following maximum course loads may only be exceeded with permission from the student's dean even if the additional hours are to be taken for audit. Excess hours carry additional fees, unless departmental policy requires the excess.

- Fall, Spring, or Summer - 15 hours

Special courses such as workshops, institutes, tutorials, independent study, and courses graded on a satisfactory/unsatisfactory basis are available and may be applied toward a graduate degree. However, a student's degree program may not include more than six semester hours of such special course work.

Prerequisites

When selecting courses, students must adhere to required prerequisites and special course restrictions established by the colleges and academic departments. Prerequisites must be passed with the minimum acceptable grade before subsequent courses may be taken.

Auditing Courses

Any graduate student wishing to audit a course may do so. An audited course does not carry credit or earn a grade. Regular tuition rates apply. If audit requirements are not met a "W" grade may be assigned. Psychology courses may not be audited.

Incomplete Work

Grades of "M" (Graduate Incomplete) should be cleared within four weeks after the last day of the term in which the course was taken. This time limit may be extended upon administrative approval but generally may not exceed a period of one year from the end of the term.

If the student is deferred for graduation due to a grade of incomplete, he or she may be eligible for the original date of graduation. Work must be completed, graded, and recorded within thirty calendar days of that term's graduation date.

Class Attendance

Reasonable attendance at all class meetings of courses for which a student has registered is expected of students as a condition for the granting of academic credit. Lack of reasonable attendance as determined by the individual faculty member is reason for denial of credit for a course and possible course failure. Students should consult the class syllabi for current policy regarding attendance, grading procedures, etc., by individual faculty members.

Academic Standing

Actions regarding academic warning, academic dismissal, and academic reactivation will be noted on the student's permanent academic record.

Academic Warning

A student whose cumulative GPA falls below 2.800 in courses taken for graduate credit will be "WARNED." The dean will send this warning to the student and will also send a statement of dismissal policy. Such notification will be sent at the end of each semester so long as the student remains in this status. Some programs require a minimum of 3.000.

Academic Dismissal

Any student whose cumulative GPA is below 2.800 in courses taken for graduate credit and whose next semester graduate course GPA is also below 2.800 is subject to dismissal from that program. Some programs require a minimum of 3.000. Consult the program director for information.

Any student who earns two unsatisfactory grades ("C" or lower) in courses numbered below 500; or "F" in courses numbered 500 or above) is subject to dismissal from that program. Xavier University reserves the right to dismiss a student for reasons of poor scholarship, academic fraud, or misconduct. Actions regarding Academic Dismissal will be noted on the student's academic record.

Non-academic Dismissal

Xavier University reserves the right to dismiss a student if, in the judgment of University officials, such action would be in the physical, mental, emotional, or moral best interests of the student or is considered necessary for the welfare of the University.

Academic Honesty

The pursuit of truth demands high standards of personal honesty. Academic and professional life requires a trust based upon integrity of the written and spoken word. Accordingly, violations of certain standards of ethical behavior will not be tolerated at Xavier University. These include theft, cheating, plagiarism, unauthorized assistance in assignments and tests, unauthorized copying of computer software, the falsification of results and material submitted in reports or admission documents, and the falsification of any academic record including letters of recommendation.

All work submitted for academic evaluation must be the student's own. Certainly, the activities of other scholars will influence all students. However, the direct and unattributed use of another's efforts is prohibited as is the use of any work untruthfully submitted as one's own.

Penalties for violations of this policy may include one or more of the following: a zero for that assignment or test, an "F" in the course, and expulsion from the University. The dean of the college in which the student is enrolled is to be informed in writing of all such incidents, though the teacher has full authority to assign the grade for the assignment, test, or course. If disputes of interpretation arise, the student, faculty member, and chair should attempt to resolve the difficulty. If this is unsatisfactory, the dean will rule in the matter. As a final appeal, the academic vice president will call a committee of tenured faculty for the purpose of making a final determination.

Grade Grievance Procedure

Students may appeal final grades if they believe that the grade given was unfair. The student must be able to provide some evidence of the lack of fair treatment in order to file a formal grievance, and must follow the Grade Grievance Procedure when filing such an appeal.

Disciplinary Action

Xavier University expects the conduct of its students on and off campus to be in accordance with the standards of society. All students are expected to abide by the rules of conduct specified in the Code of Student Conduct, and the Student Handbook. A student violating any University regulation will be subject to disciplinary action. In minor cases, the appropriate staff member (usually from the Office of Residence Life or Student Services) will take action after consultation with the student.

Serious cases of misconduct will be presented before the Associate Vice President for Student Development/Dean of Students (AVPSD/DS) or the University Disciplinary Board. The AVPSD/DS or the Board, after hearing a case in accordance with established procedures, will determine the penalty, if any. The AVPSD/DS and/or the Board have the power to suspend or expel any student found to be in serious violation of any University regulation. Academic credits for courses in which the student is currently enrolled may be lost by a student who is dismissed or expelled from the University before the end of the semester. Refer to the current Student Handbook for discipline procedures.

Disciplinary records are confidential and are maintained by the Office of the Vice President for Student Development for a period of three to five years. The University may choose to notify parents of disciplinary action taken against a student.

Academically related discipline problems will be addressed through the appropriate department chair, dean and academic vice president.

Xavier University reserves the right to dismiss a student if, in the judgment of University officials, such action would be in the physical, mental, emotional or moral best interests of the student or is considered necessary for the welfare of the University. A student also may be required to withdraw for reasons of poor scholarship, failure to remove academic probation, or misconduct.

Program Requirements

Specific requirements of the master's and doctoral programs are described in this catalog. Though advising services are available to assist all students, the student is responsible for following the procedures and completing the steps required for the program. Requirements of graduate programs, both procedural and substantive, may be waived only by written request of the student and/or program director concerned and must have the written approval of the dean of the appropriate college. Additional information may be found in the program fact sheets (available in the Office of Graduate Services).

At least sixty percent of course work toward a graduate degree must be courses offered for graduate credit only, i.e., numbered 500 or higher and not open to undergraduate students. The remainder must be in approved upper division courses numbered 200-499 taken for graduate credit. (Grade of "A" or "B" must be earned for credit in courses below 500 level.) All MBA coursework must be graduate level MBA courses; all MHSA and PsyD coursework must be graduate level.

Xavier University Institutional Review Board (IRB)

Xavier has established an Institutional Review Board (IRB) for the protection of human subjects participating in research conducted by or on students, faculty or staff of the University. This includes research performed at Xavier under contractual arrangements with outside research organizations. In these cases, such contracts are subject to review and the research protocol portion of the contract is subject to Xavier IRB review.

The Xavier IRB is guided by the ethical principles set forth by the National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research in Ethical Principles and Guidelines for the Protection of Human Subjects of Research: The Belmont Report. In addition, the IRB attempts to insure compliance with the requirements set forth in Title 45, Part 46 of the Code of Federal Regulations.

The Xavier University Professional Review Board (PRB)

A number of programs offered by the University qualify graduates to stand for certificates to practice professions involving vulnerable individuals (children and persons who are mentally or physically ill or challenged). Besides having academic knowledge and skills, they must also have the capacity to serve and help their future clients through intimate human contact.

When a student is found by their program or department to lack interpersonal skills necessary for activity as a professional, this Review Board, made up of certified, practicing professionals, serves as the student's appeal source. Instructors may also appeal to the Board if they are dissatisfied with their department's or program's lack of concern about an individual student's behavior.

Minimum Grade Point Average to Graduate

The minimum grade point average required for graduation from all graduate degree programs is as follows:

<u>College of Arts & Sciences</u>	GPA
MA English	3.000
MA Theology 2.800	
<u>College of Social Sciences, Health & Education</u>	GPA
MA Community Counseling	3.000
MA School Counseling	3.000
MA Psychology	3.000
MEd	2.800
MS Human Resource Development	3.000
MHSA	3.000
MS Criminal Justice	2.800
MSN	3.000
MOT	3.000
PsyD Psychology	3.000
<u>Williams College of Business</u>	GPA

In addition, two unsatisfactory grades, as stated in the Academic Dismissal section, shall be grounds for dismissal.

Student Progress

Candidates for the master's degree who fail to complete all requirements within six years after enrolling must apply for reactivation. Candidates for the doctoral degree who fail to complete all requirements within eight years after enrolling must apply for reactivation. Certain programs may impose shorter progress requirements. A petition must be submitted to the appropriate college dean before proceeding. Reactivated students are held to program requirements in place at the time of reactivation. The dean of the college may impose certain stipulations as a condition for reactivation.

Application for Degree and Graduation

Students initiate the process of graduation by completing a Graduation Application, available online and from the Office of the Registrar. It is recommended that the student meet with the academic advisor or program director before registering for the final term of work to ensure that all degree requirements will have been met by the end of that term. Utilize the Degree Evaluation available online and at the Office of the Registrar to assist you with your graduation check out.

The student must submit a Graduation Application form to the Office of the Registrar before the deadline published in the semester Schedule of Classes. A graduation fee will be charged. If the requirements for the degree are not completed at the time specified on the application, the student must submit a new Graduation Application form. The graduation fee is a onetime charge, per each degree awarded.

Degrees are granted three times each year: in August for those completing programs during the summer, in December for those completing programs in the fall semester, and in May for those completing programs during the spring semester. Commencement exercises are held each May for graduates from the entire previous academic year.

Students whose degree requirements are completed, graded, and recorded within thirty calendar days of that term's graduation date may receive a diploma dated for that term.

Students must have satisfied all financial obligations to the University before the diploma or academic transcript can be released.

Multiple Master's Degrees

A student may earn from Xavier University only one graduate degree of the same type, e.g., MBA or MHSA, although more than one Master of Arts or Master of Science degree may be obtained in more than one subject or field. An MEd in Human Resource Development or Sport Administration may be earned in addition to another MEd degree. There may not be any overlap in courses used for multiple master's degrees. If two programs require a common course, a substitute must be approved for one of the degree programs. (Note that exceptions to this rule may be a part of the design of dual-degree programs.)

Comprehensive Examinations

Comprehensive examination requirements vary according to each program and are found in the program descriptions in this catalog. A student who fails the comprehensive examination may appeal to the program director to repeat the examination during a subsequent term (only one examination attempt is permitted during the summer). A second failure will result in dismissal from the program.

Thesis/Dissertation

Thesis/dissertation requirements vary according to program and are found in the program descriptions in this catalog. The thesis/dissertation required for a degree should embody the results of the applicant's research in some problem of the major subject, and must at each stage be under the direction of an appropriate faculty member appointed by the chair.

Student Responsibility

It is the responsibility of the graduate student to become informed about all regulations and procedures required by the program and by the University. **In no case will a regulation be waived or an exception granted because a student pleads ignorance of the regulation or asserts that information was not given by an advisor or other authority.** The program director should be consulted concerning requirements, deficiencies, the planning of a program, and special regulations.

Any falsification of information on the application, transcripts, recommendations (where required), or test scores will be sufficient cause for disqualification for admission or dismissal if the individual has been admitted. All tuition and fees paid and graduate credit earned are forfeited under such dismissal.

Reservation of Rights

Xavier reserves the right to modify its graduation and other requirements as deemed necessary from time to time. The University will attempt to comply with the requirements published in the catalog for the year a student initially registers, provided the student continues in attendance without interruption of more than a year. Students who interrupt their attendance by more than a year and who later return must meet curricular requirements as determined by their dean.

Registration Policies and Procedures

MyXU Self-Service Channel

MyXU (myxu.xu.edu) is a secure website that is available to all students to access their registration information. During designated times students may register for classes and make class schedule changes on-line. Other on-line services include viewing and printing class schedules, grades, and academic history.

Schedule of Classes

The Schedule of Classes is prepared by the Office of the Registrar and lists course offerings, assigned dates, times, and instructors. It is available on-line through either the MyXU self-service channel of at www.xavier.edu/registrar. The on-line version is updated in real time and provides the most current Schedule of Classes information.

Selection of Courses and Course Loads

The choice of courses and the total number of credit hours in a student's program of studies each term are subject to restrictions deemed necessary by the college dean or academic advisor. When selecting courses, students must adhere to required prerequisites and special course restrictions established by the colleges and academic departments. The following are the maximum full-time course loads for undergraduate and graduate students. Permission to exceed these maximums, even if the additional hours are to be taken for audit, must be obtained from the college dean.

Undergraduate Student Maximum

Fall or spring - 18 hours
Summer - 7 hours each session, not to exceed 14 hours for the entire summer.

Graduate Student Maximum

Fall, Spring, or Summer - 15 hours

Academic Advising

Undergraduate academic advising assists students in their pursuit of educational plans and programs which will aid them in fulfilling their major or degree requirements and/or prepare them for a career. Academic advising is available for students in all three colleges and CAPS: **College of Arts and Sciences, College of Social Sciences, Health & Education, Williams College of Business, and the Center for Adult and Part-Time Students. Undeclared students, Natural Sciences and Biology freshmen** in the colleges of Arts and Sciences and Social Sciences are advised by academic advisors in the Academic Advising Center located on the first floor of Alter Hall, 104 A-H. Undeclared students in the Williams College of Business are advised by designated academic advisors in that college. **Students with declared majors** in all colleges are advised by department chairs or designated faculty advisors in the departments of the college. **Adult and part-time students** are advised through the Center for Adult and Part-time Students (CAPS) or through their departments.

Degree Evaluation Report

A Degree Evaluation report using the Banner software called "Curriculum Advising and Program Planning" from Sungard Higher Education shows a student's completed coursework and current registration matched with degree requirements of his/her declared major; it also identifies deficiencies and lists courses to satisfy requirements.

Students may access an evaluation report via MyXU campus portal. The report also assists students' advisors and the University in determining progress toward completion of program requirements and as a graduation check.

Registration

PREP Registration

The Priority Registration Experience Program (PREP) is for new freshmen that will enter the University for the first time in the fall semester. The day is designed to be one in which Xavier reaches out to create a sense of belonging. This program is conducted on a day in the summer and has as its purpose placement testing in mathematics and foreign language, academic advising, and course registration for fall classes. It is a day in which parents or guardians join their sons and daughters at an information fair that acquaints them with University services and allows them to meet key individuals who can answer questions on all areas of student life. The freshmen also receive their University I.D. card at this time.

Priority Registration

Priority registration for a semester occurs midway through the previous semester and gives currently enrolled students the opportunity to enroll early in desired classes. In order to participate in priority registration, undergraduate students must first meet with their advisor. No payment for tuition and fees is required during priority registration. Billing statements are mailed to students after priority registration ends. Payment due must be submitted approximately four weeks before the beginning of the next semester.

Open Registration

Open registration occurs after priority registration, and is open to any student.

Formal Registration

Formal registration occurs within the week preceding the beginning of a semester for students who did not participate in priority registration or open registration, or who did not complete payment obligations. Dates for formal registration can be found in the University calendar in this catalog, in the Schedule of Classes or at www.xavier.edu/registrar.

Late Registration

Late registration begins the first calendar day of the semester and ends on the seventh calendar day of the semester for full-term classes. Registration is not permitted after the seventh calendar day of the semester. See the Schedule of Classes for late registration dates for other sessions.

Registration Methods

- Registration materials may be obtained in-person at the Office of the Registrar, can be mailed to the student upon request or can be obtained on-line at www.xavier.edu/registrar.
- In-person - Students present completed registration forms to the Office of the Registrar or Center for Adult and Part-Time Students (CAPS), if appropriate. In fall and spring, advisor signatures are required on undergraduate registration forms. Extended office hours are offered during peak registration times (during priority and formal registration).
- Mail-in/Fax - see above.
- On-line - Students may register on-line via portal at myxu.xu.edu.

Schedule Adjustment (Class Adds-Drops, all students, Fall and Spring Term; for Summer, consult the Summer Session Bulletin)

Once a student has registered for a term, to add or drop classes he/she must process a drop/add request using a method described above as follows:

Full Term Classes:

Adding a Class

Classes can be added through the first seven calendar days of the term.

Dropping a Class

Classes can be dropped through the first seven calendar days of the term without a grade appearing on the student's academic record. Undergraduate students receive a grade of "W" for classes dropped from the eighth calendar day of the term through approximately 80% of the term. For graduate students, a "W" occurs if a class is dropped from the eighth calendar day of the term through the last day of classes. See the Fall/Spring Schedule of Classes or the Summer Session Bulletin for specific dates and policies.

Short Term Classes:

Adding a Class

Classes can be added through the first three days of the term.

Dropping a Class

Classes can be dropped through the first seven calendar days of the term without a grade appearing on the student's academic record. Students will receive a grade of "W" for classes dropped from the seventh calendar day through approximately 80% of the short term. See the Fall/Spring Schedule of Classes for specific dates and policies.

The Office of the Bursar adjusts the student's financial account based on the add-drop activity. Advisor's signatures are not required to change sections through the schedule adjustment period.

Special Registration Conditions

Students taking courses as audit or as repeated courses are responsible for obtaining and completing the proper forms to identify such courses at the time of registration, during schedule adjustment, or during late registration.

Auditing Courses

Anyone wishing to audit a course may do so. An audited course does not carry credit or earn a grade. No one may change from credit status to audit status or from audit status to credit status after the seventh calendar day of the term. Regular tuition rates apply. A grade of "W" may be awarded by the instructor if the student does not fulfill class obligations, or stops attending.

Repetition of Courses (Repeat Policy)

Students need to initiate this process. A course previously taken for credit may be repeated up to two additional times, including any withdrawals. The credit hours of the repeated course are counted only once. While all grades are entered on the student's official academic record, and appears on a student's transcript only the most recent grade counts in the student's grade point average, even if it is the lowest. Academic bankruptcy does not eliminate the term's courses from counting as repeated courses.

Undergraduate

Some courses may not be repeated:

- [MATH 105](#) , [MATH 120](#) , and [MATH 150](#) may not be repeated after successful completion of a more advanced math course.
- An elementary or intermediate foreign language course may not be repeated after successful completion of a more advanced course in the same language.

Graduate

Courses completed in a student's undergraduate program or in another graduate program cannot be repeated for graduate credit. Courses applied to another degree, either at Xavier or another institution, may not be applied to any master's degree at Xavier.

Satisfactory/Unsatisfactory

Satisfactory/Unsatisfactory (S/U) grading is only available in certain courses. Letter grades cannot be given in these courses. The semester hours in courses taken on a S/U basis will count toward the University's minimum semester hour requirement of 120 for graduation if they are passed successfully. Neither the course hours nor any quality points are computed into the student's grade point average if the grade is "Satisfactory." However, if the grade is "Unsatisfactory," both the credit hours and the earned quality points are computed into the student's cumulative grade point average.

Withdrawal from the University during an Academic Term

A student who wishes to withdraw from all classes during a term (even if only registered for one course) must do the following:

- Notify the appropriate college dean in person or in writing;
- Obtain authorization from the dean by completing a withdrawal form;
- Submit the form to the Office of the Registrar;
- If a campus resident, notify the Office of Residence Life.

A student is considered to be enrolled until officially withdrawn. Failure to withdraw officially from the University will result in grades of "VF" for all courses. Once a semester begins, withdrawal from the University is recorded as an "Official Withdrawal" on the student's academic record.

A student who wishes to withdraw from the University between semesters is not required to withdraw formally but is encouraged to contact his/her academic advisor or dean about the decision.

Academic Record/Transcript

The transcript is the official academic record for all Xavier University students. Official copies must be obtained from the Office of the Registrar.

Transcript orders must be made in writing (in person, mail-in or fax) and signed by the student. The request should include the student's current name, phone number, all previous names, ID number or Social Security Number, dates of attendance, major or concentration and any degrees received. The request should also include the student's current address, the number of copies needed and the complete address(es) to which the transcripts should be sent. The proper fee must be enclosed with the request, and all obligations to the University must be met before transcripts may be issued.

Transcript information is available through the Xavier University transcript information telephone line, 513 745-2007, or on-line at www.xavier.edu/registrar.

National Student Clearinghouse (NSC)

Xavier University is in partnership with the National Student Clearinghouse (NSC). NSC is responsible for processing student loan deferment forms for the following programs: Subsidized Stafford Loan, Unsubsidized Stafford Loan and Parent Loan for Undergraduate Students (PLUS). More information on NSC can be found at www.studentclearinghouse.org. Since NSC is Xavier University's legally designated agent, primary responsibility for loan deferment processing is with NSC. Please contact the Office of the Registrar for additional assistance or information.

Student Identification Card (ALL CARD)

The student identification card, ALL CARD, is required for all full-time and part-time students. ALL CARDS are provided through the ALL Card Center, room 270 Gallagher Student Center. The card is the official University identification and must be in your possession while on campus. The ID services include access for the library, recreational sports center, athletic and special event ticketing and login access to the MyXU Campus Portal system.

In addition to serving as your identification card for easy access to campus facilities and programs, the ALL CARD is used as a prepaid cash card to pay for on-campus services such as: bookstore, food services, copying, library fees, and vending.

The ALL CARD technology even includes the student's ability to integrate U.S. Bank's complete banking as well as Internet banking services with Xavier's financial services system.

The system eliminates issues related to multiple cards for campus access and funds management. Convenience, simplicity and security... one card does it all! Questions regarding ALL CARD services and available to students should be referred to the ALL Card Center at 513 745-3374 or on-line at www.xavier.edu/allcard.

Privacy Rights

The Family Educational Rights and Privacy Act (FERPA) of 1974 as amended details the access of student records held and maintained by educational institutions. The law further requires that parents or eligible students be notified of the types of records held and officials responsible for such records.

Parents have the right of access, review and challenge for elementary and secondary students (under the age of 18). The student assumes the rights of the parents at age 18 or upon attendance at a post-secondary institution. However, if the student is considered dependent (according to the 1954 Internal Revenue Code), both the student and parents have access rights. A student's records will be released to parents only after receipt of reasonable proof of dependency.

Pursuant to Section 99.13, students have the right of access to all educational records except those specifically excluded under the amendments to the Privacy Act. The following materials are specifically exempted from access by students: (1) Personal notes of teachers and administrators, provided these notes are not available to a third party other than a teacher's substitute; (2) Law Enforcement Records, to include those of the campus police force; (3) Medical, psychological and counseling records. The privacy of student medical records is protected by Ohio law and they are not available to anyone except those providing the treatment. These records are excluded from FERPA as long as they are used only for treatment and are not used for educational purposes. Student medical and counseling records are also excluded from the provisions of the Health Insurance Portability and Accountability Act (HIPAA).

In addition to the above excepted information, students may not inspect financial information submitted by their parents, nor may they inspect confidential letters of reference placed in the file prior to January 1, 1975.

The student does have the right of access upon request to all other educational records and files which are directly related to the student with proper identification. This includes all admissions records, registration files, financial aid materials (excluding financial information submitted by their parents as mentioned above), housing files, discipline records and any athletic records.

University employees who have an "educational need to know" and others with the expressed consent of the student also have the right of access to a student's records. In compliance with Section 99.5 of the Family Educational Rights and Privacy Act of 1974, the following information is published for all students at Xavier University.

Types of Records and Officials Responsible for Maintenance of Records

Requests for the following records should be directed to the appropriate office at Xavier University, 3800 Victory Parkway, Cincinnati, Ohio 45207-1092.

Record	Title of Official
Undergraduate Admissions	Director of Admissions
	Center for Adult and Part-time Students (CAPS)
Graduate Admissions	Office of Graduate Services
	Assistant Director, Psychology
	Director, MBA program
	Director, Executive MBA program
I-20, Visa, Immigration Papers	International Student Services
Academic Records	University Registrar
Alumni	Alumni Relations Director
Discipline	Office of Vice Provost for Student Life and Leadership
Housing	Director of Residence Life
Financial Aid	Director of Financial Aid
Health/Medical	Director, McGrath Health & Wellness Center

Review and Expunging of Records

Each of the offices listed has review procedures and methods of expunging inaccurate data which are particular to the type of records kept and to the specific purpose for which they are maintained. Specific procedures can be determined by contacting the official of the office concerned.

Procedures for Challenging Content of Records

The procedures for challenging content of any specific record for reasons of inaccuracy or bias can be either informal or formal hearings. Student requests for a formal hearing must be made in writing to the appropriate vice president who, within a reasonable period of time after receiving such requests, will inform the student of the date, place and time of the hearing. The parents and/or student have the right to present evidence that the challenged material is inaccurate, misleading, or in any way inappropriate for the particular file. Correction of the material or deletion of the material should be requested. Decisions rendered at the hearing will be final, and will be based solely on the evidence presented at the hearing. The appropriate vice president will summarize the evidence, state the decision, and state the reasons for the decision. This written report will be delivered to all parties concerned.

Cost of Reproducing Files

Students have a right to request and receive copies of all accessible materials with certain exceptions, e.g., a copy of the official academic record for which a financial "hold" exists. The cost of reproduction shall be borne by the requesting party, and shall not exceed the cost to the institution. The current charge for photocopying must be paid per page, per copy. The current charge for transcripts must be paid for a complete copy of the academic record.

Directory Information

The Family Educational Rights and Privacy Act (FERPA) permits the public release of what is termed "directory information." For Xavier University's purposes, this information includes the following: the student's name, all addresses (including email) and telephone listings, date and place of birth, any photographs including All Card photo, major field of study, number of hours registered and full or part-time status, class standing (freshman, sophomore, junior, senior, graduate), participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees awarded and total hours earned, special honors and awards, and the most recent previous educational agency or institution attended by the student.

A request for nondisclosure of the "directory information" must be filed with the Office of the Registrar, and will be honored by the institution until the student asks to have it removed, whether or not the student is currently registered. Upon the death of a student, all privacy holds are removed.

Financial Information

- [Financial Aid](#)
- [Tuition and Fees](#)

Financial Aid

The Office for Financial Aid's purpose is to provide the best possible service and information to students financing a Xavier education.

The office is located in Schott Hall, 1st floor. Office hours are Monday-Friday, 8:30 a.m.-5:00 p.m., and Saturdays by appointment, 513 745-3142. Email address is: xufinaid@xavier.edu

Standards of Academic Progress

The Higher Education Act of 1965, as amended, requires Xavier University to develop and enforce standards of satisfactory academic progress prior to awarding any federal financial aid funds to students. Standards of satisfactory academic progress were established to encourage students to *successfully complete* courses for which federal financial aid is received, and to progress satisfactorily toward degree completion. *Successful completion* of a course is defined as receiving one of the following grades: A, A-, B+, B, B-, C+, C, C-, D+, D, D-, or S.

The standards apply to the following financial aid programs: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Work Study, Federal Perkins Loan, Federal Direct Stafford Loan, Federal Direct Parent Loan for Undergraduate Students (PLUS), Federal Teach Grant, Federal Academic Competitiveness Grant, and Xavier funds. These financial aid standards of academic progress are separate from, and in addition to, academic standards required by the University for continued enrollment. The criteria used to determine academic progress are grade point average, annual completion rate, and maximum time frame for completion of educational objective. At the end of spring semester, the Office for Financial Aid reviews students' progress during the previous three semesters. All periods of enrollment are reviewed, including semesters during which no financial aid was received.

Qualitative Requirement - Grade Point Average

- Undergraduates who have not yet completed two academic years must have a minimum cumulative GPA of 1.750.
- Undergraduates who have already completed two academic years must have a minimum cumulative GPA of 2.000.
- Graduate students must maintain a minimum GPA of 2.800.

Quantitative Requirement - Annual Completion Rate

Students must successfully complete a minimum of 67% of the credit hours attempted each academic year (attempted hours are hours for which a charge was incurred, excluding audited hours). The academic year begins with summer semester and ends with spring semester.

Maximum Time Frame for Completion of Educational Objective

Students must complete their degree program within 150% of the published length of their degree program. For example, if a major requires 120 credit hours to graduate, a student could not receive financial aid beyond 180 credits attempted (including transfer hours) whether or not financial aid was received for those credits.

Incomplete Grades

Incomplete grades are calculated as an "F" until the incomplete grade is changed to a complete grade.

Multiple Retakes - Repeated courses effect academic progress as follows:

- Cumulative Grade Point Average - Only the most recent grade counts in the student's CGPA.
- Annual Completion Rate - When a course is repeated it will be counted as *attempted hours*.

- Maximum Time Frame - A course that is repeated is only counted once as *attempted hours*.

Remedial Coursework

Remedial courses and ESL courses are treated the same as other courses for satisfactory academic progress purposes. If a student who was enrolled in remedial course work does not maintain the minimum academic standards and he or she requests an appeal, the financial aid appeal committee will take into consideration the courses in which the student was enrolled.

Transfer Hours

Transfer hours only count toward the overall maximum time frame calculation. Transfer hours have no effect upon the cumulative grade point average.

Changes of Major/Degree Program

Students who change majors or change programs (i.e., change from Bachelor of Arts to Bachelor of Science) are still held to the 150% maximum time frame rule. All credits attempted from the first major/degree will count as attempted hours for the new major/degree. The 150% maximum limit will be measured based on the number of credits required for the new major/degree.

Second Bachelor Degrees

Students who enroll in a second bachelor degree program are still held to the 150% maximum time frame rule. However, only the credit hours from the first degree which apply to the second degree will be counted as attempted hours.

Timing of Reviews

Current financial aid recipients will have their academic progress reviewed at the end of the academic year. New financial aid recipients (i.e., those students who had never previously applied for aid) will have their academic progress reviewed when the Office of Financial Aid receives the results of the Free Application for Federal Student Aid.

At the time of the review students who are not meeting the minimum requirements will be placed on financial aid suspension for the following school year.

Financial Aid Suspension

Students who are placed on financial aid suspension are ineligible for financial aid for the following school year (summer through spring). During the suspension year students may either attend Xavier at their own expense, or may choose to sit out one year.

Reinstatement of Eligibility

Students who choose to attend Xavier during the suspension year at their own expense will not be automatically eligible for financial aid. At the end of the suspension year, students must be meeting the academic standards in order to regain eligibility for the following year.

Appeals

Students on financial aid suspension may appeal the loss of aid if extenuating circumstances prevented the students from making satisfactory progress. Circumstances which are considered extenuating are those that are unusual and/or unforeseen at the beginning of the year, such as: injury or illness of the student, death of a close relative, or other situations which were unexpected and beyond the student's control. Allowances can also be made for students who have a documented disability. Appeals should be made in writing to the Financial Aid Appeals Committee, in care of the Director for Financial Aid. Students are notified in writing of the results of their appeal. The possible appeal results are listed below.

Approved Appeals – Approved for that aid year

Students are eligible for financial aid for that academic year. At the end of the academic year their academic progress is reviewed. Eligibility for the upcoming year is contingent on meeting satisfactory progress requirements.

Approved Appeals – Conditional Status

While on conditional status, students must successfully complete every credit attempted. Therefore, financial aid eligibility for each consecutive semester is contingent upon the student successfully completing (receiving grades of A,A-, B+, B, B-, C+, C, C-, D+, D, D- or S) his or her prior semester. Grades of "W" are not considered to have been successfully completed. If a student does not successfully complete a semester, financial aid is forfeited for all remaining semester in the financial aid year.

Denied Appeals – Reinstatement of Eligibility

Students who choose to attend Xavier during the suspension year at their own expense will not be automatically eligible for financial aid. At the end of the suspension year, students must be meeting the academic standards in order to regain eligibility for the following year.

Information Sources

Information concerning university-sponsored scholarships and grants is available from the following sources:

- Undergraduate degree programs: the Office of Financial Aid.
- The Center for Adult and Part-Time Students (CAPS): the Dean of CAPS.
- Reserve Officers' Training Corps (ROTC) Scholarships: the Professor of Military Science.
- Athletic Grants-in-Aid: the Director of Athletics.

Xavier Scholarships

Scholarships are funds awarded to students based on academic, athletic, artistic or other talents. Scholarships do not have to be repaid. All Xavier students are automatically considered for scholarships when they apply for admission.

Xavier offers scholarships in the following areas:

- Academic
- Service
- Performing & Visual Arts
- Alumni
- Multicultural
- Special
- Athletic
- ROTC
- State of Ohio
- Returning Students

For detailed information regarding each type of scholarship, visit <http://www.xavier.edu/financialaid/undergraduate-aid/scholarships.cfm>.

Regulations Concerning Scholarships

- With the exception of the Xavier Service Fellowships and the Fredin Memorial Scholarships, all Xavier-sponsored scholarships are applicable to tuition only. They may not be applied to the cost of room, board, fees, or summer school courses, nor are they applicable to courses taken during the senior year in the programs of Medical Technology, Applied Biology, Applied Chemistry and Applied Physics.
- Only full-time students are eligible for scholarships. Full-time enrollment is defined as students enrolled 12 or more credit hours per semester.
- Scholarships must be accepted for the period of time indicated in the award letter from the Office of Financial Aid, and they are forfeited in the event that the recipient does not enroll.
- It is understood that the scholarship stipend will be divided evenly between the fall and spring semesters. Hence, recipients who attend only one semester will receive only one-half of their award.
- Scholarships may be pro-rated in the final year if the recipient does not need to take a full course load to graduate.
- Use of scholarships during the summer term will be considered on an individual basis.
- All scholarships are awarded at the discretion of the Financial Aid and Scholarship Committee of Xavier University. The committee reserves the right to adjust the scholarship stipend if the holder receives financial aid from some other source.

Xavier Financial Aid

Xavier Grants

Xavier University awards grants to students who demonstrate financial need. Students must complete the Free Application for Federal Student Aid (FAFSA). Students whose FAFSA is received at the federal processor by February 15 will receive priority consideration.

Family Grants

Xavier University provides partial tuition grants when there are two or more siblings enrolled full-time as undergraduates at Xavier during the same semester. Contact the Office of Financial Aid for additional information.

Athletic Grants-in-Aid

These grants are available through the Office of Athletics. Contact the Office of Athletics for information and assistance 513 745-3413.

Grants - Center for Adult and Part-time Students

The Center for Adult and Part-time Students (CAPS) awards grants to students registered through CAPS, including the Weekend Degree Program. The grants are based on financial need and are generally only awarded to students who do not receive other forms of financial aid. For further information contact the CAPS office, 513 745-3355.

Tuition Payment Plans

Several payment plans, ranging from installments to Employer Reimbursement, are available through the Office of the Bursar. For further information, contact the Office of the Bursar at 513 745-3435.

Federal Grants and Scholarships

Students must complete the Free Application for Federal Student Aid (FAFSA) each year. In addition, students must meet the following requirements to apply for federal financial aid:

- Be a U.S. citizen or an eligible non-citizen.
- Maintain satisfactory academic progress.
- Be enrolled as a regular student in a degree or certificate program.
- Not be in default on any federal loan or owe a refund on a federal grant.
- Have demonstrated financial need.
- Not have been convicted of an offense involving either the possession or sale of illegal drugs.

Federal Pell Grant

The Pell Grant Program provides grants to students with exceptional financial need. The amount of the Pell grant varies based on the level of financial need and the number of credit hours in which the student enrolls.

Federal Supplemental Educational Opportunity Grant (SEOG)

The Supplemental Educational Opportunity Grant is also for students with exceptional financial need (with priority given to Pell Grant recipients). The amount of the award varies and is limited by federal funding.

Federal Work-Study Program (FWS)

The Federal Work-Study Program provides students who have financial need the opportunity to earn income from jobs. Earnings for this program are funded by both the federal government and the university. The student's total FWS award depends on the student's financial need, the amount of money the university has for the program and the aid the student has from other programs. Students who accept employment are paid bi-weekly by direct deposit.

Federal Perkins Loan

The Perkins Loan is a low-interest loan that may be offered to students with financial need. Recipients are selected by the University. Repayment begins on a monthly basis nine months after the borrower ceases to be enrolled at least half-time.

Federal Direct Stafford Loan (subsidized)

A subsidized Stafford Loan is a low-interest loan made to college students by the federal government. The student pays an origination fee and insurance premium, but the federal government pays the interest while the student is enrolled in college as at least a half-time student. Interest and principal repayment start six months after the borrower ceases to be at least half-time.

Federal Direct Stafford Loan (unsubsidized)

An unsubsidized Stafford Loan is similar to the subsidized Stafford, except the student is responsible for interest payments while enrolled. Eligibility is not based on financial need.

Federal Direct Parent Loan for Undergraduate Students (PLUS)

Parents may borrow up to the total cost of attendance (tuition, room, board, books, etc.), minus financial aid, for each of their dependents attending college. There is no limit on family earnings. The interest rate is variable. Interest begins accruing at disbursement of the funds. Parents start making interest repayments approximately 60 days after disbursement. The loan must be completely repaid within 10 years from the most recent loan.

State Scholarships and Grants

Ohio College Opportunity Grant (OCOG)

OCOG is a need based grant from the state of Ohio to assist resident undergraduate students from low and moderate income families. Awards are based on family income with consideration given to the number of dependents in the family. Application is made when residents complete the federal [FAFSA](#) form.

Other State Grants

Students who qualify for state grants from their home states of Connecticut, Massachusetts, New Jersey, Pennsylvania, Rhode Island, and Vermont may use those funds at Xavier. For information on grant programs available to residents of these states, contact the Board of Education in each state.

How Withdrawing from School Affects Financial Aid

Federal Aid

When a student completely withdraws (both officially and unofficially) from Xavier before completing the term, federal regulations require that the University determine whether any of the student's federal aid, other than Federal Work Study, has to be returned. Federal aid includes the Federal Direct Subsidized and Unsubsidized Stafford Loan, Federal Pell Grant, Federal Supplemental Opportunity Grant (FSEOG), the Academic Competitiveness Grant, Federal Perkins Loan, and the Federal Direct PLUS Loan. A student "earns" federal aid based upon the length of time he or she remained enrolled for the semester. The amount of federal aid earned is in direct proportion to the percentage of time the student completed. The percentage of time completed is calculated by dividing the number of days in the semester by the number of days completed. If a student completed more than 60% of the semester, all federal aid is considered earned.

To determine the number of days completed, Xavier identifies the date the student withdrew from the University. The date of withdrawal for students who officially withdraw is the date that the student begins the withdrawal process. To begin the withdrawal process, the student must notify the appropriate college dean in person or in writing. A student who "unofficially" withdraws (stops attending all classes without notifying the University) is considered to be withdrawn as of the midpoint of the semester.

In those cases where federal aid must be returned, the University and the student share the responsibility. Xavier will notify the student in writing of his or her responsibility to return any federal aid. Federal grant funds must be returned immediately after the student is notified by the University. Until the student returns the federal grant money, he or she is ineligible for further federal assistance should he or she return to Xavier or transfer to another school. Federal loan funds are returned under the terms of the student's promissory note.

Federal aid that is considered "unearned" is returned in the following order:

- Unsubsidized Stafford Loan

- Subsidized Stafford Loan
- Federal Perkins Loan
- Federal PLUS Loan
- Federal Pell Grant
- Federal Supplemental Opportunity Grant

In some cases, the return of federal aid may cause a balance due on the student's account. The student must contact Xavier University's Bursar's Office to arrange for payment of the amount due.

Xavier University Aid and State Aid

Students who withdraw prior to the end of Xavier University's published refund schedule, may receive a reduction in charges. If a reduction of charges occurs, the student's Xavier University funds and state funds may also be reduced. Xavier and state aid are reduced by the percentage at which the student's charges were reduced.

In some cases, the reduction of Xavier University funds and state funds may cause a balance due on the student's account. The student must contact Xavier University's Office of the Bursar to arrange payment of the amount due.

Graduate Study Grants and Assitantships

Xavier University offers a limited number of scholarships, graduate study grants and graduate assistantships. Part-time or full-time graduate students may apply for graduate study grants, available for MA in Community and School Counseling, MEd, MS, and licensure programs. To apply, students should complete the Free Application for Federal Student Aid (FAFSA). Receipt of the FAFSA indicates your interest in being considered for grants. In some cases a separate application will need to be completed. Graduate assistantship positions, offering tuition remission and an hourly wage, are available in many departments. Graduate assistantship positions are posted each February and October. Other positions are posted as they become available. Contact the Office of Graduate Services for specific information and applications.

MBA, MHSA, and Psychology graduate students should contact their respective admission offices for information on graduate assistantships and scholarships within those departments or programs.

Tuition and Fees

The University reviews its financial policies and procedures on a continuing basis in order to operate in an efficient and effective manner. Policies contained in this section are those in effect as of publication and subject to change as deemed necessary by the University.

Fee Payment

The Office of the Bursar is responsible for the assessment and collection of tuition and fees payable to Xavier University. Inquiries should be directed to the Office of the Bursar, 3800 Victory Parkway, Cincinnati OH 45207-3181, 513 745-3435. Web: www.xavier.edu/bursar All prior financial obligations to the University must be paid in full before registration will be permitted for any term. If payment or other arrangement is not made by the announced deadline for the upcoming term, the student's registration may be cancelled. University regulations prohibit class registration and the release of transcripts and diplomas for students whose accounts with the University are delinquent.

Payment Plan

All students must enroll in a Payment Plan. This is done online through the MyXU Portal. By enrolling in a Plan, the student agrees to the financial Terms and Conditions associated with being a registered student at Xavier University.

The most popular payment plan is our Five Payment Plan whose features include:

- Five payments per semester. For the Fall Semester, payments are due in July, August, September, October, and November; in the Spring, payments are due in December, January, February, March and April.
- No administrative fee to enroll in the plan. The only cost will be a monthly interest charge at the end of each month on the unpaid balance. The current rate is 1% per month.
- All charges and payments are shown on one monthly statement.
- The plan is available to all students. If you have financial aid and have completed all of your paperwork, this plan will subtract your financial aid from your balance and calculate your payment for you.

Additionally, the University offers other payment options which may assist you in paying tuition and fees. Detailed information on all payment plans can be found on our website at www.xavier.edu/bursar under Frequently Asked Questions. For all payments brought into the Bursar's Office, the University accepts cash and checks. Credit cards (Discover, MasterCard and American Express) and electronic checks (eChecks) are only accepted online. All unpaid balances will be assessed a monthly interest charge of 1% (subject to change) on the last business day of the month.

Registration

Students who have registered during priority registration for the fall and spring semesters will receive an eBill detailing charges for tuition, fees, housing and board, in addition to estimated financial aid arranged through the University's Office of Financial Aid as of that date. Payment is due approximately three weeks before the beginning of the semester. Payment must be made by the due date, or the registration may be canceled and the student would have to re-register during formal registration.

All students who register after priority registration are required to pay 100% of tuition and fees at the time of registration, mail-in registration or late registration. The only exception would be students using the approved payment plans who would then fall under the Terms and Conditions of their Plan.

Tuition and Fees

The tuition rates assessed to a student are based on the student's primary matriculation as a graduate or undergraduate student as determined by the academic policies of the University.

Undergraduate Programs

Each academic year the University publishes the Schedule of Tuition and Fees which lists the charges for tuition, housing, board plans and other fees in effect for the current academic year. Specific course fees, lab fees and deposits are listed in the current Schedule of Classes. Please visit our website at www.xavier.edu/bursar to see the current rates.

Deposits are required for:

- New full-time students - a nonrefundable tuition deposit. This deposit is credited to the student's account when the term starts and will be deducted from the charges for that term.
- Resident students - a nonrefundable housing deposit. Room reservations will not be honored without payment of the deposit. Additionally, all residential students are required to maintain a \$200 damage deposit while in residence. Once a student moves off campus, they may request a refund of this deposit.

Graduate Programs

Current tuition and fee rates, special course/lab fees, and other relevant information are contained in the Schedule of Tuition and Fees and at our web site (www.xavier.edu/bursar). All courses taken as a graduate student will be at the graduate rate, including audited courses. Applicable course fees are charged in all cases.

Refunds

Xavier University Institutional Policy

Students who officially withdraw from the University or withdraw from class(es) may be eligible for a refund of tuition based upon the amount of tuition assessed and the date of official withdrawal. Lab and course fees are not refundable after classes begin. Students must officially withdraw through the Office of the Registrar or Center for Adult and Part-Time Students (CAPS) to be eligible for any refund. All financial aid must be adjusted before issuing a refund.

Tuition refunds for summer sessions are prorated based upon the official withdrawal date and the portion of the session elapsed. Contact the Office of the Bursar for specific refund amounts. Refund checks are issued each Friday to those individuals who had a credit balance/overpayment on their Bursar account at the end of the previous week. The checks are available for pick up after noon on Friday in the Office of the Bursar. Checks not picked up by 5:00 p.m. on the next business day will be mailed to the student's local address.

This schedule is applicable to the Fall and Spring semesters:

Number of Calendar Days From Beginning of the Semester (Full Term)	Amount of Refund
Before the first day of the term	100%
1st - 7th calendar day of the term	100%
8th - 14th calendar day of the term	80%
15th - 21st calendar day of the term	60%
22nd - 28th calendar day of the term	40%
29th - 35th calendar day of the term	20%
After 35th calendar day of the term	0%

Weekend Degree	MBA	Refund
1st - 6th	1st - 7th calendar day of the term	100%
7th - 13th	8th - 14th calendar day of the term	60%
14th - 20th	15th - 21st calendar day of the term	20%
After 20th	After 21st calendar day of the term	0%

Refunds for students leaving on-campus housing is based on the tuition refund schedule. Board plan refunds are prorated on a weekly basis.

Undergraduate students who reduce their course load from full-time (12 credit hours or more) to part-time (11 credit hours or less) will receive a tuition refund based on number of hours dropped and the refund schedule percentage.

In extraordinary circumstances, such as serious illness or injury, when a student is forced to withdraw from classes after the refund period has ended, a written appeal may be made to the college dean or bursar requesting special consideration. Appropriate documentation is required with such an appeal.

Federal Refund Policy

Students with federal financial aid must comply with federal refund policies. Contact the Office of Financial Aid for further information.

Collection Policy

If a student's account is advanced in any collection process, the student will be responsible for continuing interest charges as well as all collection costs incurred by the University.

Fees

See the Schedule of Tuition and Fees published each year or visit the Office of the Bursar's website at www.xavier.edu/bursar for the actual fee amounts. The following is a description of fees charged by the University. If a student account is referred to a collection agency, the collection fee is automatically added to the balance and it is the responsibility of the student.

Application Fee - payable once and covers the costs of processing applications for enrollment and the setting up of student records.

WCB Cooperative Education Fee - payable for each co-op term in which a student participates; covers job assistance fee, application processing, and record-keeping.

Graduation Fee - covers the cost of processing graduation and payable by all students who graduate, whether in person or in absentia. Late application results in an additional fee being charged. In the event that a student is deferred from graduating for any reason, it is the responsibility of the student to reapply for a degree. There is no additional fee when applying for the same degree.

Housing Damage Deposit - a refundable deposit for all students residing in University on-campus housing.

Housing Reservation Deposit - a non-refundable deposit which reserves a room in on-campus housing. Deposit is applied against subsequent room rent charges.

Instructional Technology Fee - covers technological improvements to the University campus.

Parking Permit Fee - permits parking in University student parking lots. Permits valid on evenings and weekends only are available at a reduced rate.

Special Course/Lab Fees - covers extraordinary course costs or private music lessons. See the Schedule of Classes for course/lab fees.

Student Orientation Fee - covers the costs for the Manresa orientation program for freshmen and traditional undergraduate transfer students.

Transcript Fee - covers the costs of processing the transcript. A nominal fee is charged for each additional transcript and there is an additional fee for immediate processing.

Services and Resources for Students

True to its Jesuit and Catholic identity, Xavier's mission is to promote the growth and development of the whole student in a social, cultural, spiritual, physical, and academic context. Toward this end, the University offers a wide range of services and resources for students.

Academic and Career Resources

Career Services Center

<http://www.xavier.edu/career/>

513.745.3141

5th Floor, Conaton Learning Commons

The Center provides opportunities for students to gain essential career development and lifelong learning skills through a variety of developmental programs, services, and practical experiences. Staff members assist students in identifying career interests and developing necessary job search skills such as resume writing, interviewing, employer identification, and research. The Center's Professional Experience Program assists students in acquiring internships, part-time, or summer work experience related to their career interest area. The Office also manages the on-campus employment of financial aid awarded students. Further services include on-campus interviews, a web-based job posting and resume system, and an annual employment fair.

The Connection Center

<http://www.xavier.edu/ds/cc>

513.745.3881

Conaton Learning Commons

The Connection Center in the Conaton Learning Commons is an integrated collection of informational and technological resources that support the University's teaching and learning activities, including the Digital Media Lab, the Technology Training room, a student computing lab, instructional design studios and private and public group study spaces. The Connection Center desk is the hub of the Center, blending the Library's public service points with the technical help desk to provide informational and technological support for the Xavier community. The Connection Center is located in the main lobby of the Conaton Learning Commons.

Learning Assistance Center

<http://www.xavier.edu/lac/>

513.745.3280

5th Floor, Conaton Learning Commons

The Learning Assistance Center (LAC) provides support services to facilitate learning at Xavier. Through the LAC, students with documented disabilities can receive services and accommodations, with the goal of equal access to education. The LAC seeks to ensure that all students can freely and actively participate in all facets of university life, raise awareness about disabilities, and provide support to faculty members. The LAC also offers free tutoring services to all Xavier students. One-on-one tutoring is available in almost all academic subjects. Study groups and drop-in tutoring sessions are offered in various academic subjects, and study skills assistance is available individually or in groups.

Library

<http://www.xavier.edu/library/>

513.745.3881

askus@xavier.edu

The Xavier University Library is committed to providing ample and equitable resources and services for all members of the Xavier community, to promote research and pedagogy.

Professional librarians are available to teach information literacy concepts to students, provide in-depth reference and research assistance, help faculty develop course materials and assessments, orient students to the Library, help find resources available from the Library, help find information related to classroom assignments, and more.

The Library has areas for group and individual studying as well as carrels and lounge seating. The Library provides dozens of computer workstations (and a laptop loan program), plus facilities for viewing and listening to audiovisual materials, and facilities for printing, scanning and copying. Two rooms are available for Library instruction with an instructor's podium and computer projection: one is equipped with 24-computer workstations and the other provides seating for 36 with room for laptops. Wireless access is provided throughout the building.

The Library provides access to electronic and print resources through its web site at www.xavier.edu/library. More than 75,000 electronic journals, 75,000 electronic books and 2,500 streaming videos are accessible online and may be viewed or printed at any computer workstation. More than 350 subscription research databases are accessible online with links to digital and print formats provided by an the Serials Solutions article linking system. The Library's print collections consist of more than 350,000 items, including books, print journals, and audiovisual materials. Library resources are accessible online through the XPLORE Library Catalog and the OhioLINK Library Catalog (48 million items from 88 colleges, universities, affiliated hospitals and public libraries throughout the state). OhioLINK physical items are requested online and delivered in 3 days to the most convenient OhioLINK institution through a state-wide courier system at no cost to students or faculty. Articles from collections at other libraries are requested online and delivered in digital format through the Library's document delivery services at no cost to students or faculty. Special services include TurnItIn (a plagiarism detection and prevention service) and RefWorks (a bibliographic management service). The web site also provides detailed subject guides to Library resources, as well as web-based education about copyright, technology, research skills, and more.

The Library is located on the Academic Mall, and opens onto the new Conaton Learning Commons, complementing the services offered there.

Mathematics Tutoring Lab

<http://www.xavier.edu/mathematics/About-the-Department.cfm>

513.745.3069

Conaton Learning Commons

The Mathematics Tutoring Lab provides mathematics assistance in both major and non-major courses through [MATH 171](#) (Calculus II). No appointment is necessary, and the services are free to Xavier students. Visit the website for operating hours.

Orientation Programs

<http://www.xavier.edu/student-involvement/orientation/>

513.745.3662

Manresa, Xavier's new student orientation is a campus-wide effort to provide new students with a comprehensive introduction to campus life at Xavier. It is a balance of social, cultural, spiritual, and academic experiences which are designed to ease the students transition into the University and to introduce the options surrounding academic and co-curricular life in the Xavier community. Additionally, parents and family members of new students are invited to participate in aspects of the program that target the needs and concerns of the parent and family during this time of transition.

Registrar

<http://www.xavier.edu/registrar/>

513.745.3941

129 Alter Hall

The Office of the Registrar provides services to support the instructional mission of the University for students, faculty, staff, and alumni in the following areas: class registration, academic records maintenance, schedule of classes, degree audit, academic transcripts, consortium, grade processing, degree certification, diploma production, commencement, veteran's benefits, transfer credit evaluation, enrollment verification, and catalog.

Student Success and Retention

<http://www.xavier.edu/retention/>

513.745.3036

5th Floor, Conaton Learning Commons

sturet@xavier.edu

The Office of Student Success and Retention is responsible for actively developing undergraduate retention programs and strategies that involve students, parents, faculty, and administrators. It is an office dedicated to solving student problems while providing assistance with academic, financial, and social issues. The director and assistant director coordinate the Priority Registration Experience Program (PREP) for incoming freshmen and administer the Enrollment Services and Summer Grant Programs, the Parents Participation Program, the Faculty Feedback Program, and the Freshman Success Program.

Student Support Services—TRIO

<http://www.xavier.edu/sss/>

513.745.3758

5th Floor, Conaton Learning Commons

The Student Support Services office seeks to provide the necessary resources to insure the success of students who meet the Department of Education guidelines for students, who are first generation college students, and/or students with disabilities. Funded through the United States Department of Education, three full-time professionals and one support staff person assist 160 students per year with their academic, social, and personal transitions to university life. The SSS program collaborates with several offices on campus that provide academic support and tutoring. Retention of SSS students exceeds that of our typical student as does their graduation rate.

Writing Center

http://www.xavier.edu/writing_center/

513.745.2875

Room 400, Conaton Learning Commons

The James A. Glenn Writing Center provides free assistance with all aspects of the writing process to both undergraduate and graduate students, regardless of their level of writing ability or field of study. Undergraduate peer tutors, graduate tutors, and the Director serve as instructors. The Center has a library of writing-related references and provides computers and printers for those who need a quiet place to write. Staff and faculty are also welcome to use the Center's resources. The Writing Center is open approximately fifty-eight hours each week during the academic year.

Campus Events, Activities, and Involvement

Gallagher Student Center (GSC)

<http://www.xavier.edu/gsc/>

513.745.3201

The Gallagher Student Center provides three primary services to the Xavier community: the Welcome Desk, facility reservations, and a student Late Night Program series. The Welcome Desk is the customer service center for the Gallagher Student Center. Welcome Desk student staff assist with the identification of campus resources, maintain information on student and staff telephone numbers, and provide general referral for the campus. In addition, the GSC provides a wireless environment for laptop PCs and houses a 350+ seat theater, five retail outlets, a 24-hour computer lab, lounges, meeting rooms, and designated space for student organizations and clubs. The GSC Late Night Program Series (a collaborative effort between the GSC Office and the Student Government Association) provides quality entertainment in an alcohol-free environment to all Xavier students. The GSC is open 24/7 during the academic year, excluding holidays.

Performing Arts

Xavier Players

<http://www.xavier.edu/players/>

Student Life offers a wide range of opportunities for students in the arts. The Xavier Players produce main stage productions as well as several student written and directed workshops. Plays and musicals are presented for the Xavier community as well as the general public. Auditions are open to all students. A Performance Studies Minor is offered through the Department of Communication Arts.

The University Singers

<http://www.xavier.edu/singers/>

Xavier has the Tri-State area's only collegiate show choir, The University Singers. The Singers perform Broadway and popular music, all professionally choreographed. This select group of singers and dancers go on tour each year and have toured such cities as Boston, New York City, Atlanta, and Toronto. Auditions take place each fall.

Xavier Gospel Choir

The Xavier Gospel Choir offers a variety of traditional and contemporary gospel sounds. This is a spiritually motivated group that performs each year at many churches in the greater Cincinnati area.

Recreational Sports

<http://www.xavier.edu/recsports/>

513.745.3208

O'Connor Sports Center

Xavier University Recreational Sports provides the Xavier community with a broad, diversified sports program and activities that meet the needs and interests of the entire campus. It provides an environment that focuses on the total development of all students and, during that process, maintaining an atmosphere of fun.

O'Connor Sports Center is a student/faculty/staff use facility that provides opportunities to participate in informal recreation and fitness, instructional programs and intramural competitions. Located within the facility is a 10,000 square foot gymnasium, a 6-lane meter pool, 2 racquetball/handball courts, a weight/cardiovascular room, and locker rooms.

In addition, there are several leadership opportunities for students, including student managers, club sport team officers, intramural officials, lifeguards, and customer service and weight room supervisors. Students learn and enhance their teamwork, communication, and customer service skills. Several of these positions are also available during the summer and school vacations. Contact the Recreational Sports Department for further information regarding any of these positions.

Student Events and Activities

513.745.4250

Student events and activities include lectures, movies, dances, entertainers and a variety of other events to satisfy the diverse needs and interests of the Xavier community. Several other campus-wide events such as Family Weekend and Senior Week are hosted on an annual basis. The events and activities are planned by a number of departments and organizations across campus including the Student Activities Council, Student Involvement, Weekenders, Gallagher Student Center, and countless student groups.

Additionally, student events and activities provide an opportunity for students to learn from one another, develop leadership skills, and connect to the Xavier community itself. Students can become involved in the organizations listed above and many more by contacting the Office of Student Involvement as well as the Student Government Association.

Student Government Association

<http://www.xavier.edu/student-involvement/student-gov/>

513.745.4250

SGA is a representative body of Xavier students elected each academic year to serve the following year. Students serving on the SGA work for and on behalf of their peers as a collective voice to the faculty and administration. Within SGA, there are four subordinate bodies with a specific focus and mission. They are Commuter Council, Residence Student Association (RSA), Student Activities Council (SAC), and Student Senate. SGA is the primary funding source for more than 80 registered clubs and organizations at Xavier.

Student Publications

513.745.3202

The Newswire and the Student Handbook are publications advised and managed through Student Life. The Newswire is published weekly during the academic year, and highlights life at Xavier, student opinions, and campus events and activities. The Student Handbook is published every other year. This resource provides students with information about University policies and standards, a listing of clubs and organizations and the conduct review procedures. The official version of the Student Handbook can be accessed through the Dean of Students website at <http://www.xavier.edu/deanofstudents/>.

The XU Bands

The Pep Band is seen on both local and nationally televised games on C-Span and ESPN. The Swing Band is a select group featuring the sounds of Swing and performs regularly with The Muskie Blues, a small group of five singers specializing in vocalese. The Symphonic Wind Ensemble features classical and traditional music. The bands go on tour each year and have visited such cities as New Orleans and New York City.

Health, Wellness, and Safety Resources

Campus Dining

<http://www.dineoncampus.com/XU/>

513.745.4874

The University contracts to provide a full range of food services options to the campus community. All residence hall students are required to purchase a meal plan. A special meal plan is available to commuter students, and special diets may be arranged for individuals with specific needs. Campus Dining also provides catering and retail services for the campus community.

Campus Police

<http://www.xavier.edu/police/>

513.745.1000

1648 Herald Avenue

The mission of the Xavier University Campus Police Department is to protect life and property, to understand and serve the needs of any and all persons within the university community, to actively seek to identify community problems and solutions to these problems, to identify and prevent any criminal activity which may occur, and to improve the quality of life in this community.

Campus Police is staffed by professional officers 24 hours a day year round and provides general assistance to the Xavier community. In addition to providing for a safe and secure environment, Campus Police is also responsible to parking management, crime prevention, and criminal investigations. The officers are State Certified and provide a full range of law enforcement services.

McGrath Health and Wellness Center

<http://www.xavier.edu/health-wellness/>

513.745.3022

Herald Avenue

McGrath Health and Wellness Center offers medical, counseling, emergency, and other services to the campus community.

Medical services include primary and specialty care, allergy, travel medicine, lab, immunization and pharmacy services. We can offer individualized care for students with special or ongoing medical needs.

Counseling services are provided by professional psychologists and counselors to assist with a wide range of personal concerns including anxiety, depression, adjustment, relationships, eating disorders, alcohol and drug issues, family, and other problems.

The services of the Health and Wellness Center are available to all Xavier students, full or part-time, graduate and undergraduate, commuter or resident. There is no charge to see a physician or nurse, but there may be charges for medications or lab tests. There are no charges for counseling services.

Psychological Services Center

<http://www.xavier.edu/psychologicalservices/>

513.745.3531

The Psychological Services Center provides a wide range of professional services to the Xavier community. The Center serves students, faculty, and staff who are seeking assistance for the many difficulties which can accompany college and/or family life. Individual, couple, and family therapy are available for concerns which may include depression, stress, eating disorders, difficulties in relationships, family issues, sexual concerns, or sports-related difficulties of student athletes and coaches.

Although most concerns are handled through short-term counseling, the staff is equipped to deal with more serious difficulties which may require longer term treatment.

Spirituality and Jesuit Mission and Identity

Campus Ministry

<http://www.xavier.edu/campus-ministry/>

513.745.3567

In the Jesuit tradition, Campus Ministry provides activities that enable students to respond to the invitation of St. Ignatius Loyola (founder of the Jesuit religious order) "to find God in all things." Engaging opportunities that encourage spiritual growth, including prayer, retreats, and faith sharing groups, are open to students of all faith traditions.

Bellarmino Chapel serves as both the chapel of Xavier University and as a Roman Catholic parish in the Archdiocese of Cincinnati. Worship services are Roman Catholic and all are welcome. Information about other local faith communities is available at the Campus Ministry office.

Center for Mission and Identity

<http://www.xavier.edu/jesuitresource/index.cfm>

By supporting our faculty and staff in realizing the Academic Vision and affirming the Jesuit tradition of pedagogical excellence, the Center for Mission and Identity ensures that students gain an education at Xavier University as pledged by the Mission Statement, which prepares them to be people of outstanding competence and compassion.

Interfaith Community Engagement

<http://www.xavier.edu/interfaith/>

513.745.3780

The Office of Interfaith Community Engagement works to create and strengthen a sense of community among individuals of diverse faiths on campus, in Cincinnati, and on the regional and national levels.

Located in Gallagher Student Center, the office is a student-centered initiative that both allows individuals to deepen their personal faith and enhance their understanding of other traditions. Further, it serves the larger community in areas of social justice, shared religious teachings, and leadership development.

Peace and Justice Programs

<http://www.xavier.edu/peace-justice/>

513.745.3046

Peace and Justice Programs seeks to educate, empower, and affirm a community interested in building a more compassionate, just world. Working in cooperation with all areas of campus life, it serves as a meeting point to celebrate the Jesuit call for the service of faith and the promotion of justice.

Programming includes activities which expand awareness of social issues as well as lectures and dialogues with local, national, and international peace and justice specialists. The office is "home" to a number of student clubs and organizations that are focused on issues of peace and justice.

Additional Resources for Students

Commuter Services

<http://www.xavier.edu/commuter/>

513.745.3824

The Commons Apartments

Commuter Services provides programs and services designed to meet the diverse needs of Xavier's commuter and nontraditional student populations. Commuter Services offers information about offcampus housing, transportation alternatives, and campus events. The office maintains evening hours to ensure accessibility for commuter students and adult learners.

Financial Aid

<http://www.xavier.edu/financial-aid/>

513.745.3142

1st Floor, Schott Hall

The Office of Financial Aid's purpose is to provide the best possible service and information to students seeking to finance a Xavier education. The Office of Financial Aid is responsible for the administration of federal, state, and institutional resources, including scholarships, grants, and loans. It also awards Federal Work Study and acts as the liaison office between many private sources of student aid and the University. Students seeking financial assistance should contact the Office for application materials and individual counseling.

Multicultural Affairs

<http://www.xavier.edu/multiculturalaffairs/>

513.745.3181

2nd Floor, Gallagher Student Center

The Office of Multicultural Affairs provides Xavier students and staff with support services and programs designed to enrich the cultural, academic, and social experiences of all students, with a special emphasis on African Americans, Latino/a, Asian American, and Native American students. A variety of formal and informal organizational programs and individual advising opportunities are offered. The office and common areas in the Gallagher Student Center provide a comfortable and casual setting for conversation and study.

Office of International Student Services

<http://www.xavier.edu/internationalstudents/>

513.745.2864

Romero International Center, 2nd Floor, Gallagher Student Center

The Office of International Student Services (OISS), located in the Romero International Center, assists international students with their special needs and serves as a link for the international and American communities at Xavier University. The OISS is responsible for immigration advising, and personal and adjustment assistance for all international students, and serves as an advocate for international students and their concerns. In addition, this office provides the campus community with a variety of social and educational programming about international and cultural issues. The International Students' Society, a student organization, is also located in the Romero International Center.

Residence Life

<http://www.xavier.edu/residence-life/>

513.745.3203

1401 Dana Avenue

reslife@xu.edu

The Office of Residence Life provides many learning opportunities in a unique living environment. A fulltime, Masters degree-level Hall Director lives and works in each of the residence halls. The student staff is comprised of Senior Resident Assistants and Resident Assistants (RAs) who serve as peer helpers to the residents. The Residence Life staff strive to create a community atmosphere through social and educational programming.

The Commons Apartments, Village Apartments, University Apartments, Manor Apartments, 1019 Dana Apartments, and the Xavier houses provide on-campus housing options for upper-division students. The apartments/houses are managed by an Apartments Manager who is a full-time Masters degree-level staff member.

University Discipline

513.745.3202

Consisting of two hearing boards, the Conduct Review Board and the University Discipline Board, the judicial process considers cases that occur off-campus as well as on-campus. Both boards hold students responsible and accountable for behaviors which are alleged to be inappropriate as reported to the University or have violated the published code of student conduct or the standards for off-campus living. Typically, the University Discipline Board hears cases that are considered to have a profound impact on the University community and where suspension or expulsion may be an option. The Conduct Review Board hears cases that include sanctions up to an including probation. The membership of both boards is comprised of students, faculty, and staff.

Requirements for Majors, Minors, Certificates, and Degrees

Requirements for Bachelor's Degrees

Meeting the degree requirements is the student's responsibility.

Candidates that will have a bachelor's degree awarded must have:

1. completed all the requirements listed under the "[Core Curriculum](#) ;"
2. attained a 2.000 average in the course work of the major. BSBA students must also complete the business core with a 2.000 average; some programs have a higher GPA requirement;
3. attained a cumulative grade point average of 2.000 or better;
4. earned at least 120 semester credit hours;
5. completed the last 30 credit hours at Xavier, excluding consortium courses, unless waived by a college dean;
6. transferred, normally, no more than 15 credit hours from another college or university toward a degree after matriculation at Xavier;
7. filed a formal graduation application by the deadline published for each semester;
8. completed all departmental requirements in the major field and all requirements of their college;
9. cleared all financial obligations with the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

10. completed at least 60 credit hours in accredited four-year schools;
11. completed at least one-half of the course requirements of the major at Xavier;
12. if applicable, completed at least one-half of the business core at Xavier.

These requirements are contained in the student's "Degree Evaluation", which is a degree progress tracking tool.

Requirements for a Second Bachelor's Degree

Students who have a bachelor's degree from a regionally accredited institution, including Xavier, may earn a second bachelor's degree at Xavier. Credits applied toward the first degree will be accepted as transfer credit toward the second degree. A minimum of 30 additional hours must be taken and at least 15 hours must be in the second major. If the second degree is a business degree, at least one-half of the business core must be completed at Xavier and present catalog requirements in business must be met. Students must meet all quality point and grade requirements set by the University, college and major department. If current Xavier core requirements for the second degree were not met within the first degree, the following policies will apply.

1. The Ethics/Religion and Society Focus (E/RS) elective course will be waived.
2. Students with one transferred three-credit literature course must take "Literature and the Moral Imagination" as their second literature course. Students with two transferred three-credit literature courses will have fulfilled the literature requirement.
3. Students who transfer with two or fewer three-credit theology courses must complete one appropriate three-credit theology course at Xavier. Students who transfer 9 credits of theology courses will have fulfilled Xavier's theology requirement.
4. Policy #3 is also applicable to the philosophy requirement.
5. Policy #3 is also applicable to the science requirement.
6. Students must meet all other core curriculum requirements.

Requirements for an Associate's Degree

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

1. completed the appropriate requirements listed under the "[Core Curriculum](#) - Associate's Degree;
2. attained a 2.000 average in the course work of the concentration;

3. attained a cumulative grade point average of 2.000;
4. earned at least 60 hours;
5. completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
6. transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
7. filed a formal graduation application by the deadline published for each semester;
8. completed all departmental requirements in the concentration field & all requirements of the college;
9. cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

10. completed at least one-half of the course requirements of the concentration at Xavier.

Requirements for the Major

An undergraduate student must declare a major and complete all the requirements of the degree program, including the major. The requirements for each major are specifically defined, and a minimum 2.000 average in the course work of the major must be attained (some majors require a higher average). Each major is noted on the student's permanent academic record, but only one degree is conferred, namely the one that corresponds to the student's primary major. The student must complete the core curriculum requirements of the primary major. The core curriculum requirements of the secondary major need not be completed unless a business major is elected as the secondary major. In this case, the requirements of the "business core" must also be met. Regardless of hours counted for more than one major, associate degrees require a minimum of 60 semester credit hours and baccalaureate degrees require a minimum of 120 semester credit hours.

Requirements for a Minor

Undergraduate students may select a minor or minors in addition to a major.

Guidelines for minors are as follows:

- must contain a minimum of 15 credit hours (each minor is specifically defined);
- at least half of the credit hours of a minor must come from upper division (200-499) courses;
- at least half of the course requirements of a minor must be completed at Xavier;
- a student must attain a 2.000 average (or higher for some minors) in the course work of the minor;
- a student must declare a minor with the appropriate department and the student's college;
- successful completion of the minor will be noted on the student's academic transcript.

Requirements for Certificate Programs

Xavier University offers several undergraduate certificate programs. Students may complete certificate programs as part of an associate, bachelor's or master's degree or as a non-degree student. Some programs require that students have the minimum of an associate's or bachelor's degree prior to admission.

Candidates for certificates (Information Technology, Pre-MBA Studies, Pre-Medical Studies) must have:

1. completed the requirements for the certificate with at least one-half of the hours completed at Xavier.
2. attained a cumulative grade point average of 2.000 or better.
3. unless all financial obligations to the University before the transcripts can be released.

Undergraduate Core Curriculum

Bachelor Degrees

Xavier University is committed to a broad-based liberal education in the Jesuit tradition. The foundation for this liberal education lies within the Core Curriculum. Through their experiences in core courses, Xavier University encourages students to explore the world through multiple avenues of truth which reflect the complexity of the human spirit. This learning process involves experience and discovery, individual and collective problem solving, affectivity, intuition, and active engagement in this world. This is the beginning of a life-long personal integration leading to practical, wise and sensitive action in a continuously changing, culturally diverse world.

Listed below are the academic goals of the Core Curriculum that will facilitate this life-long integration:

1. Students will demonstrate the ability to express themselves articulately, orally and in writing.
2. Students will, individually and cooperatively, demonstrate ability to think and to solve problems, critically, analytically and creatively, within and across disciplines.
3. Students will demonstrate the ability to differentiate the methodologies and to understand the interrelationships of the humanities, social sciences, and natural sciences.
4. Students will demonstrate, in a way consistent with the Jesuit tradition, an ability to understand and analyze significant religious, ethical, and moral issues within a rapidly changing global society.

There are four components of the Core Curriculum for baccalaureate students.

1. Ethics/Religion and Society Focus (E/RS) (4 courses)

By devoting special attention to the ethical and/or religious analysis of socially significant issues, the Ethics/Religion and Society Focus endeavors to realize Xavier's mission and philosophy of education. Xavier believes it is important for its students to learn to analyze societal issues critically in terms of human values and to develop a sense of compassionate solidarity and service.

The Ethics/Religion and Society Focus is comprised of four integrated courses:

- A. Ethics as an Introduction to Philosophy ([PHIL 100](#))
- B. Theological Foundations ([THEO 111](#))
- These two courses are prerequisites for the remaining two E/RS courses or one must be a prerequisite and the other a co-requisite for the remaining two courses.
- C. Literature and the Moral Imagination ([ENGL 205](#)), Classical Literature and the Moral Imagination ([CLAS 205](#)), or Hispanic Literature and the Moral Imagination ([SPAN 205](#)).
- Typically this course follows the other literature course in the core.
- D. A Focus Elective. May fulfill another requirement in the core or a major or minor. A list of approved E/RS electives for a specific term appears in the Semester Schedule of Classes.

2. Cultural Diversity Course (1 credit hour)

This course introduces students of sophomore classification to the opportunities cultural diversity presents, and to the issues of stereotyping, prejudice and discrimination and their relation to the exercise of power in American society.

3. English Composition Course (3 credit hours)

In order to ensure that all students possess adequate writing skills, either English Composition ([ENGL 101](#)) or Rhetoric ([ENGL 115](#)) is required of every student.

4. Distributional Requirements (51 credit hours)

Fine Arts	3 credit hours
Foreign/Second Language	6 credit hours
History	6 credit hours
Literature	3 credit hours
Mathematics	6 credit hours
Philosophy	6 credit hours
Sciences	9 credit hours
Social Sciences	6 credit hours
Theology	6 credit hours

Fine Arts

Three semester hours must be completed in approved studio or lecture courses that encourage expression, specifically in the fields of film, video, music, theater, and the visual arts.

Foreign/Second Language

Students must demonstrate intermediate proficiency in a foreign/second language or complete up to six hours toward obtaining that proficiency after placement. International students whose native language is not English fulfill the language requirement by their proficiency in English. Xavier University considers American Sign Language a foreign/second language.

History

Six semester hours of sequential survey courses are required to introduce students both to a body of knowledge and to historical methodology which includes understanding change over time and arguments about cause and effect. In these courses students examine the evolution of ideas, institutions, organizational systems and values which have shaped and are shaping societies.

Literature

In addition to the literature course in the Ethics/Religion and Society Focus, students must select a course that emphasizes the analysis of, response to, and interpretation of literary texts.

Mathematics

Six semester hours are required in mathematics. Students may not fulfill this requirement by taking two courses similar in content, as, for example, [MATH 150](#) , Elements of Calculus I, and [MATH 170](#) , Calculus I. [CSCI 170](#) , Computer Science I, can be used for core credit. Those who enter Xavier deficient in mathematical skills will be required to complete [MATH 105](#) , Fundamentals of Mathematics, before attempting any other mathematics course. Although [MATH 105](#) does earn credit, it does not fulfill the mathematics core requirement.

Philosophy

Six semester hours must be completed in courses that study fundamental and perennial philosophical questions with readings from philosophical literature. [PHIL 100](#), Ethics as an Introduction to Philosophy, serves as an introductory course in the Ethics/Religion and Society Focus and as the prerequisite for the two required, sequenced philosophy courses: [PHIL 290](#) , Theory of Knowledge and a philosophy elective.

Sciences

Nine semester hours are required in courses that include the laboratory experience in the study of natural or human phenomena. Students must complete this requirement through courses offered in two different science departments.

Social Sciences

Six semester hours must be completed in courses that provide a general introduction to the systematic study of human behavior and institutions.

Theology

Six semester hours must be completed in courses that study the human experience of God and the doctrines and rituals related to religious experience. [THEO 111](#) , Theological Foundations, serves as an introductory course in the Ethics/Religion and Society Focus and as the prerequisite for the two required theology courses. Students take one course from each of the two areas:

1. Scripture/History or Christian Systematics
2. Theological Ethics or Religion and Culture

Identifying Courses that Satisfy Core Requirements

To identify which courses satisfy a core requirement for a given term, use the “Search Streamlined Class Schedule” function available through the **Course-Class Search** area of the My XU Portal. First use the shift key to highlight all subjects. Then, use the drop-down menu in the “Attribute Type” box to select the area of the core you would like to search for (e.g. Cultural Diversity-University Core or ERS Focus Elective). This will return a list of courses that meet the area of the core you selected and are being offered that term.

Waivers of Core Curriculum Requirements Based on Transfer Credit Earned

The waiver policy on the University core curriculum is as follows:

1. The ethics/religion and society focus elective course will be waived for students who transfer 60 or more credit hours.
2. Students with one transferred 3-credit literature course must take "Literature and the Moral Imagination" as their second literature course. Students with two transferred 3-credit literature courses will have fulfilled the literature requirement.
3. For the subjects of philosophy, science, and theology, the following table lists the number of credit hours in that subject that must be completed at Xavier:

Philosophy, Theology, and Science Credit Hours Transferred to Xavier				
	0-1	2-4	5-7	8+
Credit Hours Needed at Xavier to Complete Requirements in Philosophy, Theology, and Sciences				
Total Credit Hours Transferred to Xavier:				
Less than 40	9	6	3	0
40-79	6	6	3	0
80+	3	3	3	0

Transfer students completing 9 credits in philosophy at Xavier take [PHIL 100](#) , [PHIL 290](#) , and PHIL elective. Those completing 6 credits at Xavier take only [PHIL 100](#) and [PHIL 290](#) . Those completing 3 credits at Xavier take only [PHIL 100](#) .

Transfer students completing 9 credits in theology at Xavier take [THEO 111](#) , THEO elective in scripture-history/Christian systematics and THEO elective in theological ethics/religion and culture. Those completing 6 credits at Xavier take [THEO 111](#) and THEO elective in scripturehistory/Christian systematics. Those completing 3 credits at Xavier take only [THEO 111](#) .

Students who transfer in two credit hours of a three-hour requirement may have the third hour waived. Students should contact the department chair of their major regarding this process.

Associate's Degrees

Most Associate's Degree Programs

- PHIL 100 - Ethics as Introduction to Philosophy
- THEO 111 - Theological Foundations
-
- E/RS Focus elective course (3)
-
- Literature (3)
-
- Cultural Diversity elective (1)
-
- English Composition or Rhetoric (3)
-
- Fine Arts (3)
- PHIL 290 - Theory of Knowledge or Theology elective (3)
-
- History (3)
-
- Social Science (3)
-
- Science (3)

Associate's Degree Program in Early Childhood Education

- PHIL 100 - Ethics as Introduction to Philosophy

- THEO 111 - Theological Foundations
-
- Literature elective (3)
-
- Cultural Diversity elective (1)
-
- English Composition or Rhetoric (3)
-
- Fine Arts (3)
- PHIL 290 - Theory of Knowledge or Theology elective (3)
-
- History (3)
-
- Social Science (3)
-
- Science (3)

Other Programs

Core curricula for Business (WCB) and Radiologic Technology (CSSHE) are listed separately under each of the program descriptions.

Notes:

E/RS Focus elective requirement may be used to satisfy another element of the core or the major. A minimum of 60 credit hours is required for the degree.

SPECIAL UNIVERSITY PROGRAMS

University Scholars Program

University Scholars is an honors curriculum providing an academically challenging program to a broad spectrum of Xavier students from every college and every major. Students in the University Scholars Program fulfill the same core curriculum requirements demanded of all Xavier students, but they take many of these required courses in specially designated honors sections. Whatever their major, University scholars engage the subject matter of the arts, humanities, sciences, mathematics, and social sciences in a highly sophisticated manner. Honors sections of courses are smaller in size, emphasizing more intense discussion and writing. In special blocked sections, courses from different disciplines are taught together to achieve a more integrated educational experience. During their four years at Xavier students also complete three seminars which require research projects in that discipline.

University scholars who complete the program successfully receive the appropriate Bachelor's Degree pertaining to their area of study with the notation "University Scholar."

Typically University scholars are students with excellent high school records and SAT scores around 1300 and up or ACT scores around 29 and above, but all prospective Xavier students who qualify for an academic scholarship at or above the Trustees Scholarship are invited to apply to the University Scholars Program. Students interested in the program, but who do not meet the profile, are also welcome to apply and will be given consideration on a space-available basis. At her discretion, the Program Director may request an interview with the applicant as well. Admission to the program usually occurs prior to the freshman year, but students already enrolled at Xavier or transfer students may contact the Program Director to inquire about joining the program once they have matriculated.

The following summary of the University Scholars Program curriculum indicates the minimum Program requirements only. Students are advised to take additional Honors courses whenever possible. (See "[Core Curriculum](#)" for a complete description.)

1. Ethics/Religion and Society Focus - Scholars must complete all four courses in the Focus within the University Scholars Program in courses designated Honors.
2. English Composition - Scholars must complete Honors rhetoric.
3. Fine Arts - Scholars must take three semester hours in studio or performance courses which carry academic credit or a classroom course that has been approved for Scholars.
4. Foreign/Second Language - Scholars must demonstrate intermediate proficiency in a foreign/second language. Because of the requirements of some majors or degree programs, the Director of the University Scholars Program will occasionally adjust this requirement on a case-by-case basis.
5. Philosophy and Theology - Beyond the Focus courses ([PHIL 100](#) and [THEO 111](#)), one Honors course in either area is required. One Honors course in each area is recommended.
6. History - Scholars must complete one Honors course in introductory history.
7. Social Science - Scholars must complete two Honors courses, including at least one Honors course in introductory economics.
8. Mathematics - Scholars must complete Honors calculus. This requirement may also be fulfilled by taking calculus for science majors. Scholars must also complete one additional mathematics course at or above the 150-level. For students who do not take a second semester of introductory science intended for science majors, this second course in mathematics must also be designated Honors.
9. Science - Scholars must complete one semester of Honors introductory science. The requirement may also be fulfilled by taking one semester of a course for science majors. For students not taking a second semester of math beyond Honors calculus, a second science course designated as honors or for science majors will also be required.
10. Seminars - In addition to the above, Scholars must participate in no less than three Honors seminars, generally during their junior and senior years. Seminars in core subjects may be used to fulfill a student's core requirements. Not all seminars offered at Xavier University are approved for Scholars.

To remain in good standing within the University Scholars Program, Scholars must maintain a 3.000 cumulative grade point average during their freshman year and a 3.200 cumulative grade point average thereafter. Students whose grade point averages fall below these figures will be placed on probation within the Program and given a semester in which to bring up their grades. To receive the notation "University Scholar" on the diploma, students must have a 3.200 overall GPA at graduation.

Honors Bachelor of Arts

Philosophy, Politics and the Public Honors Program

The *Philosophy, Politics & the Public Program* brings together many of Xavier's traditional curricular strengths in an innovative and rigorous undergraduate honors program of study focusing on the unifying concept of "the public sphere" in democratic societies. The program is inspired by the *Philosophy, Politics & Economics* programs commonly found in the British university system, but differs from them by placing greater emphasis upon philosophical conceptions and historical context. The approach taken by this honors program is expressed in the meanings of the several conceptions identified in its very name. In its original meaning, philosophy denotes "the love of wisdom." Aristotle, one of the greatest and most influential philosophers of the western tradition, defined politics as "the master science of the good." "The public" represents a multi-dimensional domain of shared consciousness, ideals and action. Through course work that is both

multi-disciplinary as well as centered in a particular disciplinary concentration, students are encouraged to follow their own interests in the theoretical engagement of the public in its many embodiments and meanings. In addition, the theoretical work in the program is complemented by engagement in the active world of politics through working on political campaigns, lobbying of behalf of legislation, internships in local and national government offices and summer study in Paris that includes a seminar in Brussels, the seat of the European Union. The program is highly selective, with 15 to 20 freshman students enrolling each fall.

The Philosophy, Politics & the Public Core Sequence

The program finds its center in two main areas. Students take the core interdisciplinary course sequence during sophomore and junior year. The sophomore year sequence brings together faculty from history and political science. Its focus is on America's civic culture in its growth and development, with special emphasis upon electoral and legislative politics. The junior year sequence is primarily philosophical and centers upon the philosophical ideas of the Enlightenment culminating in the French Revolution as a primary shaper of both modern democratic institutions as well as modern conceptions of "the public." The course will culminate with the students traveling to Paris and Brussels to meet with French specialists and students who are likewise investigating the changing contours of the modern Western democracies that this revolution had so profoundly affected. Details of these sequences appear below.

The Philosophy, Politics & the Public Elective Concentration

Together with the Constructing the Public sequence, the Elective Concentration forms the heart of the individual student's PPP program. Students are encouraged to choose an Elective Concentration in a discipline that most closely fits their own academic interest in "the public." In this way, the Elective Concentration provides the conceptual center of the PPP student's course of study, supplying the dominant framework from which he or she investigates the complex content of "the public." There are a total of 18 hours of available electives in the PPP honors program. Students may choose an Interdisciplinary minor or one that is departmentally based. Some examples are:

- A. *Philosophy, Politics & the Public* combined with an Interdisciplinary Minor
 - 1. Concentration in Gender & Diversity
 - 2. Concentration in International Studies
 - 3. Concentration in Latin American Studies
 - 4. Concentration in Peace Studies
 - 5. Concentration in Catholicism & Culture

- B. *Philosophy, Politics & the Public* combined with a Discipline-based Minor
 - 1. Concentration in Business
 - 2. Concentration in Economics
 - 3. Concentration in History
 - 4. Concentration in International Studies
 - 5. Concentration in Philosophy
 - 6. Concentration in Political Science
 - 7. Concentration in Art

The Senior Capstone Research Thesis

In the senior year, all PPP students will submit a research thesis for public defense. This thesis will be multidisciplinary in content and will address issues concerning the public that flow from the student's own elective concentration.

Additional Course Requirements in the Program

In addition to these required core and elective courses, students in Philosophy, Politics and the Public must complete either a full minor in a foreign language or complete two languages through intermediate proficiency, one additional course from a history survey of the student's choice, and two courses in economics.

The Honors Bachelor of Arts

Established in 1948, Honors A.B. is the University's first and oldest honors program. True to Xavier's Jesuit heritage, the program emphasizes the interdisciplinary study of philosophy and the classics. Students study the classic texts of Western civilization while fostering deeper understanding of the values and ideals they embrace.

The Honors AB is designed to prepare students for life in the modern world by developing depth and balance of intellect and an openness to new ideas by examining the roots from which our culture and traditions have sprung. Honors graduates have gone on to careers in many different academic, professional, and business areas. Candidates for the program are expected to rank high in their high school classes, and ordinarily they should have four years of high school Latin, although special arrangements can be made for those with less.

Honors students are expected to fulfill the regular undergraduate core curriculum requirements including the following modifications, and whenever possible, special Honors sections or the more demanding sections of required courses should be taken:

Cultural Diversity - 1 hour
English - 9 hours (3 Rhetoric, 6 Literature)
History - 6 hours
Social Sciences - 6 hours
Mathematics - 6 hours (including Calculus)
Science - 9 to 11 hours
Fine Arts - 3 hours
Theology - 9 hours
Philosophy - 18 hours
Latin - 21 hours
Greek - 21 hours
Capstone course - 3 hours

The requirements listed above include three hours each of philosophy (Ethics), theology (Foundations), literature (Moral Imagination), and the three elective hours needed to complete the Ethics/Religion and Society Focus.

There remain a good number of credit hours for the superior student to cover premedical or prelaw requirements, or to do concentrated work in almost any major or minor.

College of Arts and Sciences

College of Arts and Sciences

The College of Arts and Sciences is the oldest and largest college at Xavier University. The goal is to provide an excellent liberal arts education in the Jesuit tradition that prepares students for careers, professional or graduate school, and life in a global society.

Degrees, Programs and Block Schedules

The College of Arts and Sciences offers undergraduate degrees and programs in the departments of Art, Biology, Chemistry, Classics, Communication Arts, English, History, Mathematics & Computer Science, Modern Languages, Music, Philosophy, Physics, Political Science & Sociology, and Theology.

Graduate degrees are offered in the departments of English and Theology.

Bachelor of Liberal Arts

Bachelor of Liberal Arts, B.L.A.

The Bachelor of Liberal Arts is designed for adult transfer students who are interested in taking courses in a broad range of disciplines. The general electives and upper division studies requirements allow for efficient transferability of credits and give students the opportunity to design degrees to meet their needs. This degree is offered by the College of Arts and Sciences through the Center for Adult and Part-time Students (CAPS). It is available to any student who has completed a minimum of 60 semester hours with approval of their Dean, the Dean of the College of Arts and Sciences, and the Dean of the Center for Adults and Part-Time Students and to all students who have graduated from high school not less than four years prior to the date of acceptance into the program.

The Liberal Arts degree is available through full or part-time study, days and/or evenings, or through the special accelerated Weekend Degree Program.

Requirements for the Bachelor of Liberal Arts

Core Curriculum Requirements: 67 Credit Hours

See [Undergraduate Core Curriculum for details](#).

Upper Division Studies Requirement: 38 Credit Hours

- Students may add a minor or a concentration to their liberal arts degree. See below for information on available concentrations in organizational leadership, professional communication, human occupations studies, and magnetic resonance imaging.
- 38 hours of upper division work (courses numbered 200-499), with no more than 21 hours from one subject area.
- It is recommended that these 38 hours be distributed across two academic areas.
- No more than 30 hours in business courses and no more than 12 hours in any one business subject area may be applied to the degree.

Optional Concentrations for Upper Division Studies:

Organizational Leadership Concentration: 18 Credit Hours

This concentration will enhance and develop your communication, management, and leadership skills.

Required Courses: 9 Credit Hours

- MGMT 300 - Managerial Behavior
- MGMT 309 - Change Management
- MGMT 314 - Leadership

Electives: 9 Credit Hours (Select from the following list)

- MGMT 301 - Managerial Communications
- MGMT 325 - International Management
- MGMT 385 - Project Management
- COMM 207 - Interpersonal Communication
- COMM 209 - Group Dynamics
- SHRM 200 - Human Resources In a Diverse S
-

Professional Communication Concentration: 18 Credit Hours

This concentration is designed for people interested in working in dynamic, people-oriented environments. This concentration exposes you to the entire communication network; written, oral, and electronic mediums.

Required Courses: 12 Credit Hours

- COMM 207 - Interpersonal Communication
- COMM 209 - Group Dynamics
- COMM 260 - Organizational Communication
- COMM 301 - Presentational Speaking

Electives: 6 Credit Hours (Select from the following list)

- COMM 363 - Written Communication in Organizations
- COMM 477 - Public Relations Ethics in Society
- MGMT 300 - Managerial Behavior
- MGMT 301 - Managerial Communications
- INFO 200 - Managing Information Technology
-
- INFO 220 Management of Information Technology

Free Electives: 15 Credit Hours

TOTAL REQUIRED for B.L.A. DEGREE: 120 Credit Hours

Note(s):

Two other Bachelor of Liberal Arts degree programs are available in the College of Social Sciences, Health and Education.

A.

See the [Occupational Therapy Department](#) for information about the Bachelor of Liberal Arts degree with a concentration in *Human Occupation Studies*.

B.

See the [Radiologic Technology Department](#) for information about the Bachelor of Liberal Arts degree with a concentration in *Magnetic Resonance Imaging (MRI)*.

Associate of Arts

Liberal Arts, A.A.

This 60 hour program is designed for adult students who are interested in taking courses in several disciplines. The upper division studies requirement allows students to design their degrees through flexibility in course selection. This degree is offered by the College of Arts and Sciences through the Center for Adult and Part-time Students (CAPS) and is available to students who have graduated from high school not less than four years prior to the date of acceptance into the program.

Requirements for the Associate of Arts in Liberal Arts:

Core Curriculum Requirements:

- 31 hours

Upper Division Studies Requirement:

- 20 hours of upper division coursework

Note(s):

- A minimum of 60 credit hours is required for the degree.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

1. completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
2. attained a 2.000 average in the course work of the concentration;
3. attained a cumulative grade point average of 2.000;
4. earned at least 60 hours;
5. completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
6. transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
7. filed a formal graduation application by the deadline published for each semester;
8. completed all departmental requirements in the concentration field and all requirements of the college;
9. cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

10. completed at least one-half of the course requirements of the concentration at Xavier.

Art

The Department of Art offers two degrees, the Bachelor of Arts and the Bachelor of Fine Arts, as well as minors in Studio Art and Art History.

Bachelor of Arts

Art, B.A.

The Department of Art fosters an integrated way of life in which the student, through art experiences, grows in awareness and response to both spiritual and material values. The potential artist has opportunity for studio practice in one of the following concentrations: art education, art history, ceramics, drawing, fibers, graphics, painting, photography, printmaking, and sculpture. Studies in art history are required of each major and may also be an area of concentration. Students who wish to be licensed as teachers follow a special program for pre K-12 licensure. Students interested in careers as art therapists are advised to follow a pre-art therapy program.

Requirements for the Art Major

Core Curriculum Requirements:

64 credit hours

- Fine arts requirement included within major

Major Requirements:

52 credit hours, as follows

- 10 credit hours in foundation requirements
- 9 credit hours in 100 level courses
- 3 elective credit hours
- 9 credit hours in Art History
- 3 credit hour exit seminar
- 12 credit hours (4 courses) in one area of study leading to the senior concentration
- 6 credit hour senior concentration and exhibition are required.

Concentrations:

Must be arranged with the approval of the concentration advisor.

Note(s):

- In the spring semester of the sophomore year the prospective art major will present a portfolio for evaluation. Acceptance or rejection from the Department of Art will be based upon this evaluation.
- a minimum grade of “C” must be attained in all art courses to count toward an art major degree.
- a minimum grade of “B” must be attained in [ARTS 221](#) / [ARTS 521](#) and [ARTS 223](#) / [ARTS 523](#) for those pursuing art licensure.
- A recommended program sequence is available for each of the concentrations. Art licensure requires an additional 28 hours of education courses as well as 55 semester hours in art for a Pre-K to 12 license. Please direct requests and/or questions to the department chair.
- Introductory courses (or equivalent with permission of the instructor) are prerequisites for all advanced courses. Courses numbered 500 or above are for graduate students only. All studio courses may be taken for graduate credit.

B.A. Art

Suggested sequence of courses for a BA degree in Art with a concentration in any area. This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ARTS 100 - Seminar: Freshman Art Majors
- ARTS 101 - Two-Dimensional Design
- ARTS 102 - Drawing I
-
- Mathematics Elective (3)
-
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (16)

Second Semester

- ARTS 105 - Three-Dimensional Design
-
- Studio Elective (100 level) (3)
-
- Mathematics Elective (3)
-
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Sophomore Year

First Semester

-
- Studio Elective (100 level) (3)
-
- Studio Elective (100 level) (3)
- ARTS 270 - History of Art I
- PHIL 290 - Theory of Knowledge
-
- Literature Elective (3)
-
- Cultural Diversity Elective (1)

Total (16)

Second Semester

-
- Art Elective (3)
-
- Concentration Elective (3)
- ARTS 271 - History of Art II
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- THEO 111 - Theological Foundations

Total (15)

Junior Year

First Semester

- Concentration Elective (3)
- History of Art Elective (3)
- Philosophy Elective (3)
- Science Elective (3)
- E/RS Focus Elective (3)

- History I (3)

Total (18)

Second Semester

- Concentration Elective (3)
- Theology Scrip/Hist or Christ Sys Elective (3)
- Social Science Elective (3)
- Science Elective (3)
- History II (3)

Total (15)

Senior Year

First Semester

-
- Concentration Elective (3)
- ARTS 441 - Senior Seminar
-
- Science Elective (3)
-
- Social Science Elective (3)
-
- General Elective (3)

Total (15)

Second Semester

- ARTS 490 - Senior Concentration
-
- Theology Ethics or Rel/Cult Elective (3)
-
- General Elective (3)
-
- General Elective (3)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core.
- A minimum of 122 credit hours is required for this degree.

Bachelor of Fine Arts

Art, B.F.A.

The BFA degree in Art is distinguished from the BA degree in Art by its intensity and structure. Students seeking a BFA degree in Art usually have full determination to pursue their livelihood as professional artists or are thinking of acquiring an MFA degree for university/college teaching. It is a higher degree and immediately acknowledges the fact that its recipient has experienced a deeper involvement in, and commitment to, art.

Requirements for the Bachelor of Fine Arts Major

Core Curriculum Requirements:

64 credit hours

- Fine arts requirement included within major

Major Requirements:

73 credit hours, as follows

- 10 credit hours in foundation requirements
- 15 credit hours in 100 level courses
- 9 elective credit hours
- 12 credit hours in Art History
- 3 credit hour exit seminar
- 18 credit hours (6 courses) in one area of study leading to the senior concentration
- 6 credit hours in senior concentration and exhibition are required.

Note(s):

- Concentrations must be arranged with the approval of the concentration advisor.
- In the spring semester of the sophomore year, at the time of the sophomore portfolio evaluation, students will express their intention of pursuing a BFA degree by delivery of a signed declaration form to the department chair, endorsed by the proposed concentration instructor.
- a minimum grade of "C" must be attained in all art courses to count toward an art major degree.
- It should be noted that in order to complete a degree in the regular four-year sequence, a student would need to carry approximately 18 credit hours per semester. Most students seeking this degree, however, are very competent and would probably have some advanced standing in regard to the core. It is also usual for these students to take courses during the summer sessions.
- A recommended program sequence is available. Please direct requests to the department chair.

B.F.A. Art

Suggested sequence of courses for a BFA degree in Art with a concentration in any area. This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ARTS 100 - Seminar: Freshman Art Majors
- ARTS 101 - Two-Dimensional Design
- ARTS 102 - Drawing I
-
- Mathematics Elective (3)
-
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (16)

Second Semester

- ARTS 105 - Three-Dimensional Design
-
- Studio Elective (100 level) (3)
-
- Studio Elective (100 level) (3)
-
- Mathematics Elective (3)
-
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (18)

Sophomore Year

First Semester

-
- Studio Elective (100 level) (3)

-
- Studio Elective (100 level) (3)
- ARTS 270 - History of Art I
- PHIL 290 - Theory of Knowledge
-
- Literature Elective (3)
-
- Social Science Elective (3)
-
- Cultural Diversity Elective (1)

Total (19)

Second Semester

-
- Studio Elective (100 level) (3)
- ARTS 271 - History of Art II
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- Art Elective (3)
- THEO 111 - Theological Foundations
-
- Philosophy Elective (3)

Total (18)

Junior Year

First Semester

- Art Elective (3)
- Concentration Elective (3)
- History of Art Elective (3)
- Concentration Elective (3)
- Science Elective (3)
- History I (3)

Total (18)

Second Semester

- Concentration Elective (3)
- Concentration Elective (3)
- Concentration Elective (3)
- Theology Scrip/Hist or Christ Sys Elective (3)
- Science Elective (3)
- History II (3)

Total (18)

Senior Year

First Semester

-
- Concentration Elective (3)
-
- Concentration Elective (3)
- ARTS 441 - Senior Seminar
-
- Science Elective (3)
-
- Social Science Elective (3)

Total (15)

Second Semester

- ARTS 490 - Senior Concentration
-
- History of Art Elective (3)
-
- Theology Ethics or Rel/Cult Elective (3)
-
- E/RS Focus Elective (3)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core.
- A minimum of 134 credit hours is required for this degree.

Minors

Art History Minor

18 total credit hours are required, as follows

15 hours required in art courses:

- ARTS 270 - History of Art I
- ARTS 271 - History of Art II
- ARTS 272 - Art of the 20th Century
- ARTS 273 - History of American Art
- ARTS 274 - Women, Art & Society

3 hours of art electives (either studio or more art history)

Note(s):

- A minimum grade of "C" must be attained in all art courses to count toward the minor.
- Further information concerning art minors can be obtained from the [Department of Art](#) .

Studio Art Minor

18 total credit hours are required, as follows

6 hours required in art courses:

- ARTS 101 - Two-Dimensional Design and
- ARTS 105 - Three-Dimensional Design

3 hours of Studio elective, selected from:

- ARTS 102 - Drawing I
- ARTS 103 - Painting I
- ARTS 104 - Printmaking I
- ARTS 105 - Three-Dimensional Design
- ARTS 106 - Fiber Arts I
- ARTS 107 - Sculpture I

- ARTS 108 - Photography I
- ARTS 109 - Ceramics I
- ARTS 142 - Graphic Design I

3 hours of Advanced Studio elective, selected from:

- ARTS 202 - Drawing II
- ARTS 203 - Painting II
- ARTS 204 - Printmaking II
- ARTS 205 - Figure Modeling
- ARTS 206 - Fiber Arts II
- ARTS 207 - Sculpture II
- ARTS 208 - Photography II
- ARTS 209 - Ceramics II
- ARTS 242 - Graphic Design II

6 hours of art elective courses providing a thorough investigation of any studio art discipline, or art history.

Note(s):

- A minimum grade of "C" must be attained in all art courses to count toward the minor.
- Further information concerning art minors can be obtained from the [Department of Art](#) .

Biology

The Department of Biology, in cooperation with the Departments of Chemistry and Physics, offers these degrees and programs:

The Bachelor of Science in Biology
 The Bachelor of Science in Applied Biology - Cooperative Forestry & Environmental Management Program
 The Bachelor of Science in Natural Sciences (for premedical and pre-dental students)
 The Certificate in Pre-Medical Studies
 The Bachelor of Science in Medical Technology
 The Bachelor of Science in Teaching Life Sciences (in cooperation with the School of Education)
 The Minor in Biology
 The Minor in Natural Sciences
 The Minor in Pre-Physical Therapy
 The Minor in Environmental Studies

Bachelor of Science

Applied Biology, B.S.

Xavier University - Duke University Cooperative Forestry and Environmental Management Programs

This program is designed to coordinate the education of undergraduate students at Xavier with graduate programs in the Duke University School of the Environment. Participating students are accepted into either of two Duke University degree programs, the Master of Forestry (MF) or Master of Environmental Management (MEM). The MF emphasizes forest resources, and graduates are typically employed in administrative, managerial, or staff positions with forest industries and government agencies. The MEM program considers natural resources in a broader context. Students find employment in such areas as resource development, environmental protection, impact assessment, land use analysis, and coastal zone management.

The curriculum which leads to the above degrees consists of six semesters of undergraduate study at Xavier University (similar to a Biology major) and four semesters of graduate study at Duke University School of the Environment. During the fall semester of the junior year at Xavier, the student applies for admission to the Duke University School of the Environment. The BS Applied Biology degree will be awarded by Xavier University upon satisfactory completion of one year of full-time study at Duke University. Upon satisfactory completion of the requirements for a master's degree, Duke University will award either the degree of MF or MEM, whichever is appropriate for the student's area of concentration at Duke University. If a student is unable to enter Duke University, courses necessary for completion of requirements leading to the BS in Biology degree can be taken during the senior year.

Requirements for the Applied Biology Major

Core Curriculum Requirements:

52 credit hours, as follows

-
- Cultural Diversity Elective (1)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- PHIL 100 - Ethics as Introduction to Philosophy
- PHIL 290 - Theory of Knowledge
- THEO 111 - Theological Foundations
-
- Theology Elective (3)
-
- Foreign Language Elective (6)
- MATH 150 - Elements of Calculus I
- MATH 156 - General Statistics
- ECON 320 - Natural Resource Economics (E/RS Focus Elective)
-
- History Elective (6)
-
- Fine Arts Elective (3)
-
- Literature Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

6 hours of Social Sciences, including:

- ECON 200 - Microeconomic Principles

Major Requirements:

46 credit hours, as follows

27 hours of biology courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab
- BIOL 398 - Seminar: Environmental Studies
- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab
- BIOL 498 - Methods of Biological Research I
- BIOL 499 - Methods of Biological Research II

19 hours:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- ECON 320 - Natural Resource Economics
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

Note(s):

- A 2.000 cumulative average must be attained in all biology courses.
- One year of full time study at the Duke University School of the Environment.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Applied Biology

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
-
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
-
- Foreign Language Elective (3)
- ECON 200 - Microeconomic Principles

Total (15)

Sophomore Year

First Semester

- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- MATH 150 - Elements of Calculus I
- THEO 111 - Theological Foundations
-
- Fine Arts Elective (3)

Total (17)

Second Semester

-
- Social Science Elective (3)
-
- Literature Elective (3)
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- MATH 156 - General Statistics
- PHIL 100 - Ethics as Introduction to Philosophy
-

- Cultural Diversity Elective (1)

Total (17)

Junior Year

First Semester

- BIOL 498 - Methods of Biological Research I
- PHIL 290 - Theory of Knowledge
- ECON 320 - Natural Resource Economics
- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
-
- History I Elective (3)
-
- Theology Elective (3)

Total (17)

Second Semester

- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab
- BIOL 499 - Methods of Biological Research II
- BIOL 398 - Seminar: Environmental Studies
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- History II Elective (3)

Total (14)

Senior Year

During the junior year the student should apply for admission to Duke University. The BS Applied Biology degree will be awarded by Xavier University upon satisfactory completion of one year of fulltime study (at least 24 credit hours) at Duke University.

If a student is unable to enter Duke University, arrangements should be made with the Biology Department chair to determine the senior year courses necessary for completion of requirements leading to the BS Biology degree.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- A minimum of 96 hrs at Xavier is required for completion of degree after Duke courses are completed.

Biology, B.S.

The biology curriculum includes courses which present current concepts of the molecular, cellular, organismal, and population levels of biological organization. Basic biological principles are presented through the study of animals, plants, and microorganisms. Laboratory sessions provide experience in careful observation, controlled experimentation, and thoughtful analysis of scientific data. The biology program provides preparation for further study at the graduate level or in the health professions (medicine, dentistry, veterinary medicine, podiatry, or optometry), as well as preparation for a teaching career or other specialized employment.

Requirements for the Biology Major

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 150 - Elements of Calculus I or
- MATH 170 - Calculus I
- and
- MATH 156 - General Statistics

Science requirement specified by the major as:

16 hours in chemistry courses:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab

8 hours in physics courses:

- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II

- PHYS 163 - Introductory Physics Lab II

Major Requirements:

36 credit hours, as follows

20 hours in biology courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- BIOL 230 - Genetics
- BIOL 231 - Genetics Laboratory
- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- BIOL 498 - Methods of Biological Research I
- BIOL 499 - Methods of Biological Research II

16 hours of electives from:

- BIOL 210-495 (Refer to [Course Descriptions](#)), including

At least one course from:

- BIOL 222 - Immunology
-
- BIOL 226
- BIOL 360 - Cell Biology
- BIOL 364 - Virology
- BIOL 440 - Biochemistry
- or
- BIOL 460 - Developmental Biology and
- BIOL 461 - Developmental Biology Lab

At least one course from:

- BIOL 240 - Evolution
- BIOL 244 - Animal Behavior
- BIOL 250 - Ecology
- BIOL 255 - Tropical Ecology
- BIOL 398 - Seminar: Environmental Studies

And either one of two lecture/ lab combinations from:

- BIOL 210 - General Botany and
- BIOL 211 - General Botany Lab
- or
- BIOL 450 - Bacteriology and
- BIOL 451 - Bacteriology Lab

Note(s):

- A 2.000 cumulative average must be attained in the 36 hours of biology courses.
- Up to 4 hours of independent study (either [BIOL 290](#) or [BIOL 495](#)) may be used in this elective requirement.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Biology

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
-
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
-
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

-
- Biology Electives (4)
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- MATH 150 - Elements of Calculus I
- THEO 111 - Theological Foundations
-
- Literature Elective (3)

Total (17)

Second Semester

-
- Biology Electives (4)
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- MATH 156 - General Statistics
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- Cultural Diversity Elective (1)

Total (15)

Junior Year

First Semester

- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
-
- History I (3)

-
- Theo Scrip/Hist or Christ Sys Elective (3)

Total (14)

Second Semester

- BIOL 230 - Genetics
- BIOL 231 - Genetics Laboratory
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- PHIL 290 - Theory of Knowledge
-
- History II (3)

Total (14)

Senior Year

First Semester

- BIOL 498 - Methods of Biological Research I
-
- Biology Elective (2)
-
- Theology Ethics or Rel/Cult Elective (3)
-
- Philosophy Elective (3)
-
- Social Science Elective (3)
-
- Fine Arts Elective (3)

Total 15

Second Semester

- BIOL 499 - Methods of Biological Research II
-
- Biology Electives (6)

-
- E/RS Focus Elective (3)
-
- General Elective (3)
-
- Social Science Elective (3)

Total (16)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core.

Environmental Science, B.S.

The environmental science major includes the interdisciplinary study of the impact of human systems on our natural environment and how in turn these natural systems affect the human environment.

Requirements for the Environmental Science Major

Biology: 22 Credit Hours

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
-
- BIOL 200-level Environmental Science 3-1
- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab
- BIOL 398 - Seminar: Environmental Studies
- BIOL 495 - Directed Study (Senior Internship)
- or BIOL 498 - Methods of Biological Research I

Chemistry: 9 Credit Hours

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab

Physics: 8 Credit Hours

- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

Economics: 6 Credit Hours

- ECON 200 - Microeconomic Principles
- ECON 320 - Natural Resource Economics

Mathematics: 6 Credit Hours

- MATH 150 - Elements of Calculus I
- or MATH 170 - Calculus I
- MATH 156 - General Statistics

Science and Math/Computer Science Electives: 9 Credit Hours Minimum

Students must select a minimum of nine credit hours from the following list of courses, including at least one science laboratory and no more than one mathematics/computer science course.

- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
-
- BIOL 227 Parasitology 2
- BIOL 230 - Genetics
- BIOL 231 - Genetics Laboratory
- BIOL 240 - Evolution
- BIOL 244 - Animal Behavior
- BIOL 255 - Tropical Ecology
- BIOL 256 - Conservation Biology In Ireland
- BIOL 364 - Virology
- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 440 - Biochemistry
- CSCI 170 - Computer Science I
- MATH 325 - Mathematical Modeling

Non-Science Electives: 6 Credit Hours Minimum

Students must complete a minimum of six credit hours from the following list.

- POLI 316 - Globalization

- THEO 316 - Globalization
- ENGL 205 - Literature & Moral Imagination
- THEO 245 - God, Creation & Ecology
- THEO 388 - Theology & Ecology
-
- HIST 403 Ecology of the City 3
- Other courses as approved by advisor

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

Medical Technology, B.S.

Medical Technologists perform laboratory procedures that contribute to the prevention, diagnosis, and treatment of diseases. The curriculum which leads to the BS degree in Medical Technology consists of three years of undergraduate study at Xavier University and the senior year at a NAACLS (National Accrediting Agency for Clinical Laboratory Sciences) accredited program approved by Xavier University. St. Elizabeth Medical Center, Covington, KY, and the University of Cincinnati Medical Center, Cincinnati, OH are current affiliates.

The year of professional study at the hospital-based program consists of work in a clinical lab and courses as determined by the affiliate, typically including Clinical Chemistry; Clinical Microbiology, Mycology, Parasitology; Hematology and Coagulation; Immunohematology; Laboratory Management and Education; Urinalysis and Body Fluid Analysis; Serology. After successful completion of the program of professional study, the student is awarded the Bachelor of Science by the University, and is then eligible for one of the certification examinations. Certification examinations are administered by the Board of Registry, American Society of Clinical Pathologists, and by the NAACLS. During the junior year a student applies for acceptance to a clinical program, and if a student is unable to enter a program the requirements for a degree in Biology, Natural Sciences, or Chemical Science can be completed in the senior year.

A student may also elect to complete the Bachelor of Science degree in Biology or Natural Sciences, then apply to any hospital-based program in Medical Technology accredited by NAACLS.

Requirements for the Medical Technology Major

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 150 - Elements of Calculus I or
- MATH 170 - Calculus I
- MATH 156 - General Statistics

Science:

- Requirement included within the major.

Major Requirements:

45 credit hours, as follows

Take specific science courses of:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- BIOL 222 - Immunology
- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 221 - Analytical Chemistry
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

Note(s):

- A 2.800 cumulative average must be attained in the science courses for acceptance by affiliated hospitals.
- One year of full time study (36 credit hours) at a hospital-based medical technology program affiliated with Xavier University.
- University residency requirement is fulfilled with a minimum of half of the required 95 hours taken at Xavier, before the fourth year.

B.S. Medical Technology

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
-
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
-
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- MATH 150 - Elements of Calculus I
-
- History I Elective (3)
- THEO 111 - Theological Foundations

Total (17)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- MATH 156 - General Statistics
-
- History II Elective (3)
-
- Literature Elective (3)
-
- Cultural Diversity Elective (1)

Total (18)

Junior Year

First Semester

- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- CHEM 221 - Analytical Chemistry
- PHIL 290 - Theory of Knowledge
-
- Social Science Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- E/RS Focus Elective (3)

Total (17)

Second Semester

- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab
- BIOL 222 - Immunology
-
- Theol Scrip/Hist or Christ Sys Elective (3)
-
- Social Science Elective (3)
-
- Fine Arts Elective (3)

Total (15)

Senior Year

Refer to requirements.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 131 credit hours is required for the degree upon 36 hours completion of a fourth year at an approved hospital.

All students must present evidence of the following prior to entrance to all clinical courses:

- Health history and required physical examination form
- MMR immunization
- Hepatitis B series
- Liability insurance (\$1,000,000/\$5,000,000) purchased through the University and billed to the student's account.

Note(s):

- Students are responsible for these expenses as well as white uniforms and transportation costs to and from the clinical sites.

Dual Degree

Life Sciences for Business, B.S./M.B.A.

The Life Sciences for Business program is a dual-degree program in which students earn a Bachelor of Science in the first four years and enter the Master of Business Administration program in the fifth year. It is designed to prepare students for leadership in the Biotech industry.

Requirements for the BS in Life Sciences for Business:

Core Curriculum Requirements

Students must complete the [Undergraduate Core Curriculum](#) requirements. Specific courses that must be taken to satisfy the core curriculum requirements include the following:

Social Science

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Mathematics

- MATH 150 - Elements of Calculus I
- MATH 156 - General Statistics

Science requirement specified by the major as:

16 hours in Chemistry:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II

- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab

8 hours of Physics:

- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

Major Requirements:

10 hours of General Biology

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab

15 hours of Biology electives

- Electives must be at BIOL 210 - General Botany or above, including a minimum of 3 credit hours of laboratory courses.
- In the fourth year, with permission of instructor, a student may choose BIOL 498 - Methods of Biological Research I or BIOL 499 - Methods of Biological Research II in fulfillment of the last lab course. BIOL 498/499 is not required.

25 hours in Business courses:

- ACCT 200 - Introductory Financial Accounting
- ACCT 201 - Introductory Managerial Accounting
- STAT 211 - Statistics For Business II
- INFO 120 - Introduction to Business Technology
- INFO 200 - Managing Information Technology
- MGMT 300 - Managerial Behavior
- MKTG 300 - Principles of Marketing
- FINC 300 - Business Finance
- ECON 300 - International Trade & Business Environment

Note:

A 2.0 cumulative grade-point average must be attained in all of the 50 hours of the major.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

Life Sciences for Business, B.S./M.B.A. Suggested Block Schedule

First Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- ECON 200 - Microeconomic Principles
- ENGL 101 - English Composition
- or ENGL 115 - Rhetoric
-
- Foreign Language 3

TOTAL: 18 Credit Hours

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- ECON 201 - Macroeconomic Principles
- INFO 120 - Introduction to Business Technology
-
- Foreign Language 3

TOTAL: 15 Credit Hours

Second Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- MATH 150 - Elements of Calculus I
- INFO 200 - Managing Information Technology
- THEO 111 - Theological Foundations
- UNST 100 - E Pluribus Unum
-
- History I 3

TOTAL: 17 Credit Hours

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- MATH 156 - General Statistics
- MKTG 300 - Principles of Marketing
-
- Fine Arts Elective 3
- History II 3

TOTAL: 16 Credit Hours

Third Year

First Semester

- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- ACCT 200 - Introductory Financial Accounting
- STAT 211 - Statistics For Business II
- PHIL 100 - Ethics as Introduction to Philosophy
-
- BIOL Elective 3

TOTAL: 17 Credit Hours

Second Semester

- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- ACCT 201 - Introductory Managerial Accounting
- MGMT 300 - Managerial Behavior
-
- BIOL Elective 4
- Literature Elective 3

TOTAL: 17 Credit Hours

Fourth Year

First Semester

- FINC 300 - Business Finance
- PHIL 290 - Theory of Knowledge
- ENGL 205 - Literature & Moral Imagination
-
- BIOL Elective 3
- THEO Elective 3

TOTAL: 16 Credit Hours

Second Semester

- ECON 300 - International Trade & Business Environment
- MGMT 600 - Strategy and Organizations (will be taken at the MBA level)
-
- BIOL Elective 3
- THEO Elective 3
- PHIL Elective 3

*At least one THEO/PHIL elective must have an E/RS Focus Attribute so that it fulfills the E/RS Focus Requirements in the University Core Curriculum.

TOTAL: 16 Credit Hours

MBA Year

First Semester

- ACCT 600 - Financial Reporting & Analysis
- ACCT 601 - Strategic Measure, Eval & Cntrl
- INFO 600 - Information Technology Management
- ECON 600 - Managerial Economics
- BUAD 600 - Business Law & Ethics
-
- Elective 3

TOTAL: 15 Credit Hours

Second Semester

- FINC 600 - Managerial Finance
- MGMT 601 - Operational Analysis
- MKTG 600 - Marketing Strategy
-
- Elective 3
- Elective 3
-
- Elective 3
- Elective 3

TOTAL: 15 Credit Hours

MBA Summer: Capstone 3 Credit Hours

Minors

Biochemistry Minor

The Biochemistry minor is intended to enhance students' understanding and competency in the area of Biochemistry.

21 total credit hours are required, as follows

17 hours from:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II

- BIOL 163 - General Biology II Lab
- BIOL 230 - Genetics
- BIOL 231 - Genetics Laboratory
- CHEM 440 - Biochemistry
- *Biochemistry, CHEM 440 has the prerequisites of two semesters of General Chemistry with Laboratories and two semesters of Organic Chemistry with Laboratories.

4 hours of electives selected from:

- BIOL 222 - Immunology
-
- BIOL 226 Virology
- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab

Biology Minor

18 total credit hours are required, as follows

10 hours from:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab

8 hours of lecture and lab combinations selected from:

- BIOL 200 - 461. (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in all these courses.

Pre-Physical Therapy Minor

33 total credit hours are required, as follows

Biology:

8 hours of lecture & lab from

Option 1:

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab

Option 2:

- BIOL 354 - Vertebrate Anatomy
- BIOL 355 - Vertebrate Anatomy Lab
- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab

Chemistry:

8 hours of lecture & lab from

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab

Physics:

8 hours of lecture & lab from

- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

Athletic Training:

9 hours from

- ATTR 267 - Physiology of Exercise
- ATTR 343 - Therapeutic Modalities
- ATTR 344 - Therapeutic Exercise

Note(s):

- A 2.000 cumulative average must be attained in all these courses.

Chemistry

The Department of Chemistry, in cooperation with the Departments of Biology and Physics, offers these bachelor's degrees and programs:

The Bachelor of Science in Chemistry
The Minor in Chemistry

The Bachelor of Science in Chemical Science
 The Bachelor of Science in Applied Chemistry, Science - Engineering Program
 The Bachelor of Science in Natural Sciences (for premedical and pre-dental students)
 The Minor in Natural Sciences
 Pre-Pharmacy Program
 The Bachelor of Science in Teaching Life Sciences and Chemistry (in cooperation with the School of Education)

Bachelor of Science

Applied Chemistry, B.S.

Xavier University - University of Cincinnati Cooperative Science - Engineering Program

This course of study is designed to provide a broad education in the physical sciences, mathematics, liberal arts, and specialized training in metallurgical or chemical engineering. (This program is also available for students in fields related to physics. See the Applied Physics program.) Upon completion of the requirements as specified below, the student will be awarded a BS in Applied Chemistry degree by Xavier University. The program is designed for students who wish to continue their education in some field of engineering. This cooperative program ultimately can lead to a master's degree in engineering.

Coursework during the first two years is exclusively at Xavier University, at both Xavier and the University of Cincinnati during the third year, and only at the University of Cincinnati for year four and year five. Completion of the engineering degree awarded by the University of Cincinnati requires another year. After three years, some students choose to remain at Xavier to complete their program. Individual arrangements are made for the fourth year and a degree in Applied Chemistry is awarded by Xavier.

Requirements for the Applied Chemistry Major

Core Curriculum Requirements:

54 credit hours, as follows

-
- Cultural Diversity Elective (1)
-
- English Composition/Rhetoric (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- PHIL 290 - Theory of Knowledge
- THEO 111 - Theological Foundations
-
- Theology Elective (3)
-
- Foreign Language (6)
-
- E/RS Focus elective * (3)
-
- History Elective (6)
-
- Fine Arts Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- MATH 170 - Calculus I
- MATH 171 - Calculus II
-
- Liberal Arts Elective ** (9)

Note(s):

* May also fulfill one of the core curriculum requirements above.

** May be taken at the University of Cincinnati.

Major Requirements:

56 credit hours, as follows

27 hours of chemistry from:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 221 - Analytical Chemistry
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 320 - Physical Chemistry I
- CHEM 322 - Physical Chemistry II
- CHEM 325 - Physical Chemistry Laboratory

14 hours of physics from:

- PHYS 161 - Introductory Physics Lab I
- PHYS 163 - Introductory Physics Lab II
- PHYS 170 - University Physics I
- PHYS 172 - University Physics II
- PHYS 350 - Theoretical Mechanics I
- PHYS 351 - Theoretical Mechanics II

12 hours of additional mathematics from:

- MATH 220 - Calculus III
- MATH 230 - Differential Equations

Two electives:

- MATH 200-397 (Refer to [Course Descriptions](#) .)

3 hours of computer science from:

- CSCI 170 - Computer Science I

Note(s):

- A 2.000 cumulative average must be attained in the chemistry courses.
- 23 semester hours of engineering courses at the University of Cincinnati.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Applied Chemistry

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- MATH 170 - Calculus I
- PHYS 170 - University Physics I
- PHYS 161 - Introductory Physics Lab I
-
- Foreign Language Elective (3)
- THEO 111 - Theological Foundations

Total (18)

Second Semester

- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- MATH 171 - Calculus II
- PHYS 172 - University Physics II
- PHYS 163 - Introductory Physics Lab II
-
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (18)

Sophomore Year

First Semester

- CHEM 320 - Physical Chemistry I
- CHEM 221 - Analytical Chemistry
- MATH 220 - Calculus III
- PHYS 350 - Theoretical Mechanics I
-
- E/RS Focus Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- CSCI 170 - Computer Science I

Total (17)

Second Semester

- CHEM 322 - Physical Chemistry II
- MATH 230 - Differential Equations
- PHYS 351 - Theoretical Mechanics II
- PHIL 290 - Theory of Knowledge
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- Cultural Diversity Elective (1)

Total (18)

Junior Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
-
- Mathematics Elective (3)
-
- History I Elective (3)
-

- Engineering (University of Cincinnati) (4)
-
- Theo Scrip/Hist or Christ Sys Elective (3)
-
- Fine Arts Elective (3)

Total (20)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 325 - Physical Chemistry Laboratory
- CHEM 330 - Quantum Chemistry
-
- Mathematics Elective (3)
-
- History II Elective (3)
-
- Engineering (University of Cincinnati) (4)

Total (17)

Senior Year

The fourth, fifth and sixth years are completed in the appropriate department in the College of Engineering at the University of Cincinnati. This work is arranged in cooperation with the student, Xavier University and the University of Cincinnati. After three years, some students choose to remain at Xavier and complete their program. Individual arrangements are made for the fourth year. A degree in Applied Chemistry is awarded by Xavier.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Chemical Science, B.S.

The Department of Chemistry offers a program which leads to the BS degree in Chemical Science. This program is intended primarily for those students who wish to make use of chemical knowledge in connection with a career in the business world, e.g., in sales or marketing, or in secondary education. The course requirements in chemistry and mathematics are less than those of the BS in Chemistry program. The hours thus released are made available as free elective hours which can then be applied to courses in accounting, business administration, economics, education, etc.

Requirements for the Chemical Science Major

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 120 - Elementary Functions
- MATH 150 - Elements of Calculus I

Science:

- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

Major Requirements:

33 credit hours, as follows

28 hours from:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 220 - Principles of Physical Chemistry
- CHEM 226 - Quantitative Analysis
- CHEM 227 - Quantitative Analysis Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 300 - Introduction To Chemical Research
- CHEM 340 - Instrumental Analysis
- CHEM 341 - Instrumental Analysis Lab

2 hours of research seminar from:

- CHEM 400 - Research/Seminar (to be taken 2 times)

3 hours of chemistry electives from:

- CHEM 411-495 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in the chemistry courses.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Chemical Science

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
-
- History I Elective (3)
- THEO 111 - Theological Foundations
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
-
- Foreign Language Elective (3)

Total (16)

Second Semester

- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
-
- History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
-
- Foreign Language Elective (3)
- MATH 120 - Elementary Functions

Total (16)

Sophomore Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- MATH 150 - Elements of Calculus I
-
- Theo Scrip/Hist or Christ Sys Elective (3)
-
- Cultural Diversity Elective (1)

Total (14)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- CHEM 226 - Quantitative Analysis
- CHEM 227 - Quantitative Analysis Lab

Total (13)

Junior Year

First Semester

- CHEM 220 - Principles of Physical Chemistry
- CHEM 300 - Introduction To Chemical Research
- CHEM 340 - Instrumental Analysis
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- PHIL 290 - Theory of Knowledge
-
- General Elective (3)

Total (16)

Second Semester

- CHEM 341 - Instrumental Analysis Lab
-
- Theology Ethics or Rel/Cult Elective (3)
-
- Fine Arts Elective (3)
-
- Philosophy Elective (3)
-
- E/RS Focus Elective (3)
-
- General Elective (3)

Total (16)

Senior Year

First Semester

- CHEM 400 - Research/Seminar
-
- Chemistry Elective (3)
-
- Social Science Elective (3)
-
- Literature Elective (3)
-
- General Elective (6)

Total (16)

Second Semester

- CHEM 400 - Research/Seminar
-
- Social Science Elective (3)
-
- General Elective (9)

Total (13)

Scheduling Notes:

- Consult the " [Undergraduate Core Curriculum](#) " requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Chemistry, B.S.

The Department of Chemistry offers a curriculum that is approved by the American Chemical Society (ACS) and leads to the Bachelor of Science degree. Students completing the program graduate as "ACS certified" majors. The curriculum covers the five major fields (analytical, biochemistry, inorganic, organic, and physical chemistry), the preparation and identification of compounds, and the literature on the subject. [CHEM 300](#) , Chemical Literature, fits the students to prepare his/her thesis and is a beginning course in research.

Requirements for the Chemistry Major

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Science:

- Requirement included within the major.

Major Requirements:

46 credit hours, as follows

40 hours of chemistry from:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 226 - Quantitative Analysis
- CHEM 227 - Quantitative Analysis Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 300 - Introduction To Chemical Research
- CHEM 320 - Physical Chemistry I
- CHEM 322 - Physical Chemistry II
- CHEM 325 - Physical Chemistry Laboratory
- CHEM 330 - Quantum Chemistry
- CHEM 340 - Instrumental Analysis

- CHEM 341 - Instrumental Analysis Lab
- CHEM 420 - Inorganic Chemistry
- CHEM 421 - Inorganic Chemistry Lab
- CHEM 440 - Biochemistry

3 hours from:

- CHEM 450 - Topics in Organic Chemistry

3 hours of research seminar from:

- CHEM 400 - Research/Seminar (to be taken 3 times)

Note(s):

- A 2.000 cumulative average must be attained in these chemistry courses.

Additional Major Requirements:

12 credit hours, as follows

8 hours of physics from:

- PHYS 161 - Introductory Physics Lab I
- PHYS 163 - Introductory Physics Lab II
- PHYS 170 - University Physics I
- PHYS 172 - University Physics II

4 hours of mathematics from:

- MATH 220 - Calculus III

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Chemistry

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- MATH 170 - Calculus I
-
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (14)

Second Semester

- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- MATH 171 - Calculus II
-
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (14)

Sophomore Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- MATH 220 - Calculus III
- PHYS 170 - University Physics I
- PHYS 161 - Introductory Physics Lab I
- THEO 111 - Theological Foundations
-
- Cultural Diversity Elective (1)

Total (16)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 226 - Quantitative Analysis
- CHEM 227 - Quantitative Analysis Lab
- PHYS 172 - University Physics II
- PHYS 163 - Introductory Physics Lab II
- PHIL 290 - Theory of Knowledge

Total (15)

Junior Year

First Semester

- CHEM 320 - Physical Chemistry I
- CHEM 340 - Instrumental Analysis
-
- Theol Scrip/Hist or Christ Sys Elective (3)
- CHEM 300 - Introduction To Chemical Research
-
- History I Elective (3)
-
- Literature Elective (3)

Total (16)

Second Semester

- CHEM 322 - Physical Chemistry II
- CHEM 341 - Instrumental Analysis Lab
- CHEM 325 - Physical Chemistry Laboratory
- CHEM 330 - Quantum Chemistry
- CHEM 400 - Research/Seminar
-
- Philosophy Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- History II Elective (3)

Total (16)

Senior Year

First Semester

- CHEM 450 - Topics in Organic Chemistry
- CHEM 420 - Inorganic Chemistry
- CHEM 440 - Biochemistry
- CHEM 400 - Research/Seminar
-
- E/RS Focus Elective (3)
-
- Social Science Elective (3)

Total (16)

Second Semester

- CHEM 400 - Research/Seminar
- CHEM 421 - Inorganic Chemistry Lab
-
- Theology Ethics or Rel/Cult Elective (3)
-
- Social Science Elective (3)
-
- Fine Arts Elective (3)
-
- General Elective (2)

Total (13)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Minors

Chemistry Minor

19 total credit hours are required, as follows

16 hours from:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab

3 additional hours of coursework must be selected from:

- CHEM 300-495 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in the chemistry courses.

Forensic Science Minor

The Forensic Science minor is intended to enhance students' understanding and competency in the area of Forensic Science.

23 total credit hours are required, as follows

17 hours from:

- CHEM 226 - Quantitative Analysis
- CHEM 227 - Quantitative Analysis Lab
- CHEM 340 - Instrumental Analysis
- CHEM 341 - Instrumental Analysis Lab
- CHEM 440 - Biochemistry
- **OR** BIOL 440 - Biochemistry
- CJUS 101 - Introduction to Criminal Justice
- CJUS 239 - Criminalistics I

6 hours of Criminal Justice (CJUS) electives

Note(s):

- Natural Sciences majors (as an interdisciplinary major) are not eligible to receive a minor in Biology, Chemistry, or Biochemistry. However, Natural Sciences majors may double count their major requirements toward a minor in Forensic Science.

Other Programs

Pre-Pharmacy Program

The Pre-Pharmacy Program at Xavier University is a program of advisement where the minimum requirements for entry to most pharmacy schools are placed early in the students program of study and university general core-curricular course work is placed later in the curriculum. Most pharmacy schools do not require an undergraduate bachelor's degree for acceptance. The minimum requirements for application to pharmacy school can, in most cases, be completed in two years. If a student successfully completes these courses, he or she may apply for admission to pharmacy schools at the end of two years of study. If the student is unsuccessful at gaining admission at that time they can continue in their studies, and apply in their third year or after completing their undergraduate bachelor's degree. Regardless of whether one enters pharmacy school at the end of two years of study or earns a bachelors degree, the pharmacy school degree necessary to become a licensed registered pharmacist (Pharm.D.) normally still requires an additional four years of study to complete. For the specific requirements and recommended courses at each pharmacy school in which you are interested, you should consult the "Pharmacy School Admission Requirements", published by the American Association of Colleges of Pharmacy. There is a copy available to browse in the office of the Director of Pre-professional Health Advising in Albers Hall 105B.

The Pre-Pharmacy Program is administered by the Department of Chemistry. Colleges of pharmacy require a minimum of two years of undergraduate study and include certain required courses for admission. If the required courses have been completed, students may apply to a college of pharmacy after two years of study or after earning a baccalaureate degree.

The pre-pharmacy curriculum satisfies the minimum preparation for admission to most colleges of pharmacy. It may be modified to meet other specific requirements of a particular college of pharmacy. A current listing of such requirements* should be consulted by the student in order to plan a satisfactory program. The student is advised to meet regularly with a member of the Committee on Health Sciences so as to be well-informed about all current prerequisites and the procedures to be followed in applying for admission to a college of pharmacy. If the student plans to continue undergraduate education at Xavier University and to obtain a BS degree, this can be done easily within the BS in Biology, BS in Chemical Science, or BS in Natural Sciences programs. The student then should meet with the chair of the appropriate science department for guidance in the choice of courses necessary for the desired degree.

* "Pharmacy School Admission Requirements," published by the American Association of Colleges of Pharmacy.

Pre-Pharmacy

This block serves as a guideline for progress in the program. See your academic advisor.

Freshman Year

First Semester

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- MATH 150 - Elements of Calculus I or
- MATH 170 - Calculus I
- PSYC 101 - General Psychology
- THEO 111 - Theological Foundations

Total (18/19)

Second Semester

- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- MATH 151 - Elements of Calculus II or
- MATH 171 - Calculus II
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- PHIL 100 - Ethics as Introduction to Philosophy

Total (18/19)

Sophomore Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- MATH 156 - General Statistics or
- MATH 116 - Elementary Statistics
-
- History I Elective (3)
-
- Literature Elective (3)
-
- Cultural Diversity Elective (1)

Total (18)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- BIOL 200 - Microbiology
- PHIL 290 - Theory of Knowledge
- ECON 200 - Microeconomic Principles

Total (17)

Classics

The Department of Classics offers two bachelor's degrees, the Bachelor of Arts in Classics and the Bachelor of Arts in Classical Humanities, as well as minors in Greek, Latin, Classical Humanities, and Theatre. In addition, the department plays a major role in the Honors Bachelor of Arts degree. For this degree, see [Special University Programs](#) .

Bachelor of Arts

Classical Humanities, B.A.

This program is designed to offer a major for those students who have an interest in the ancient world but prefer breadth rather than specialization in their undergraduate education or seek to pursue the equivalent of a second major. This program combines the minimum number of course requirements with a maximum number of elective courses. The 24 hours of study of the ancient Greek and Roman world will give the student a somewhat intensive knowledge of the cultures, which in time and place are far removed from our own but which have exercised a very strong and continuing influence on modern civilization.

Requirements for the Classical Humanities Major

Core Curriculum Requirements:

64 credit hours, including

- Foreign language requirement included within the major.

Major Requirements:

36 credit hours, as follows

- 12 lower division hours in Latin or Greek 101-202 (Refer to [Course Descriptions](#) .) (waivers exist per prior achievement).
- 6 hours of Latin or Greek beyond the intermediate language level (210-399) (Refer to [Course Descriptions](#) .) .
- 18 hours of classical culture offerings from CLAS 101-399 (Refer to [Course Descriptions](#) .) .

Note(s):

- A 2.500 cumulative average must be attained in the above courses.
- In addition to the above requirements, the student has approximately 26 hours of non-designated electives which can be used to meet specific interests or needs.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Classical Humanities

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- LATN 101 - Elementary Latin I or
- GREK 101 - Elementary Greek I
-
- History I Elective (3)
-
- Mathematics Elective (3)
- THEO 111 - Theological Foundations
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- LATN 102 - Elementary Latin II or
- GREK 102 - Elementary Greek II
-
- History II Elective (3)
-
- Mathematics Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
-
- Literature Elective (3)

Total (15)

Sophomore Year

First Semester

- Latin **Or** Greek Elective (3)
- Science Elective (3)
- Theology Scrip/Hist or Christ Sys Elective (3)
- Classics Elective (3)
- Social Science Elective (3)
- Cultural Diversity Elective (1)

Total (16)

Second Semester

-

- Latin **Or** Greek Elective (3)
-
- Science Elective (3)
- PHIL 290 - Theory of Knowledge
-
- Classics Elective (3)
-
- Social Science Elective (3)

Total (15)

Junior Year

First Semester

- Latin **Or** Greek upper division course **Or** Elective (3)
- Theology Ethics or Rel/Cult Elective (3)
- Classics Elective (3)
- General Electives (6)

Total (15)

Second Semester

-
- Latin **Or** Greek upper division course **Or** Elective (3)
-
- Philosophy Elective (3)
-
- Classics Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- General Elective (3)

Total (15)

Senior Year

First Semester

- General Elective (3)
- Fine Arts Elective (3)
- Science Elective (3)
- E/RS Focus Elective (3)
- Classics Elective (3)

Total (15)

Second Semester

- Classics Elective (3)
- General Elective (11)

Total (14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Classics, B.A.

The Bachelor of Arts degree in Classics is designed to bring students into intimate contact with the world of the ancient Romans and Greeks through the study of their language, literature and culture. It introduces them to that era when Western society was for the first time in recorded history dealing with and recording many of the same problems and questions with which we are still grappling today.

Requirements for the Classics Major

Core Curriculum Requirements:

64 credit hours, including

- Foreign language requirement: 12 hours (or equivalent competence) of a foreign/second language.

Major Requirements:

33 credit hours, as follows

- 0-12 lower division hours in Latin or Greek (the number depending on prior achievement).
- 21 hours in Latin or Greek beyond the intermediate language level.

Note(s):

- A 2.500 cumulative average must be attained in the above courses.
- Pass a comprehensive examination upon completion of a senior thesis.

- In addition to the above requirements, the student has 18-24 hours of non-designated electives which can be used to meet specific interests or needs.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Classics

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
-
- History I Elective (3)
- LATN 101 - Elementary Latin I or
- GREK 101 - Elementary Greek I
-
- Mathematics Elective (3)
- THEO 111 - Theological Foundations

Total (15)

Second Semester

-
- Literature Elective (3)
-
- History II Elective (3)
- LATN 102 - Elementary Latin II or
- GREK 102 - Elementary Greek II
-
- Mathematics Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

-
- Social Science Elective (3)
- LATN 201 - Intermediate Latin I: Prose or
- GREK 201 - Attic Prose
-
- Classics Elective (3)
-
- Science Elective (3)
-
- Theo Scrip/Hist or Christ Sys Elective (3)

Total (15)

Second Semester

-
- Social Science Elective (3)
-
- Latin or Greek Elective (3)
-
- Classics Elective (3)
-
- Science Elective (3)
- PHIL 290 - Theory of Knowledge
-
- Cultural Diversity Elective (1)

Total (16)

Junior Year

First Semester

- General Electives (6)
- Latin or Greek Upper Div Elective (3)
- Classics Elective (3)
- Theology Ethics or Rel/Cult Elective (3)

Total (15)

Second Semester

-
- General Elective (3)
-
- Latin or Greek Upper Div Elective (3)
-
- Classics Elective (3)
-
- Philosophy Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

Total (15)

Senior Year

First Semester

- Classics Electives (6)
- Fine Arts Elective (3)
- Science Elective (3)
- E/RS Focus Elective (3)

Total (15)

Second Semester

- General Electives (11)
- Classics Elective (3)

Total (14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Minors

Classical Humanities Minor

18 total credit hours are required, as follows:

Select hours in classical culture courses offerings, from:

- CLAS/GREK/LATN 101-399 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.500 cumulative average must be attained in the classical culture courses.
- Courses with the CLAS designation require no knowledge of an ancient language.
- Courses with the LATN and GREK designations can apply to the Classical Humanities Minor.

Greek Minor

15 total credit hours are required, as follows

Select Greek courses beyond the Elementary II level:

- GREK 201-399 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.500 cumulative average is required in all Greek courses.

Latin Minor

15 total credit hours are required, as follows:

Select Latin courses beyond the Elementary II level:

- LATN 201-399 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.500 cumulative average is required in all Latin courses.

Theatre Minor

21 total credit hours are required, as follows:

15 hours of theatre courses (take 5 of 6) from:

- THTR 100 - Introduction to the Theatre
-
- THTR 200 (3)
- THTR 210 - Acting I
- THTR 230 - Stagecraft
- THTR 310 - Acting II
- THTR 350 - Directing for the Stage

3 hours of an approved class section from:

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination
- FREN 205 - French Literature and the Moral Imagination
- SPAN 205 - Hispanic Literature & Moral Imagination

3 hours of approved elective with 1 course from:

- CLAS 142 - Classical Tragedy
- CLAS 146 - Classical Comedy & Satire
-
- ENGL 313 (3)
- ENGL 340 - World Drama
- ENGL 425 - Shakespeare
- ENGL 429 - Renaissance Drama
- ENGL 472 - Modern Drama
- FREN 439 - French Theatre
- FREN 450 - Classical French Theatre: Myth/Moral
- FREN 451 - Twentieth Century French Theatre
- FREN 452 - French Comedy
- FREN 453 - French Tragedy
- GERM 465 - Culture as Reflected in Drama
- GREK 202 - Attic Tragedy
- GREK 351 - Aeschylus
- HIST 285 - Hollywood: A Social & Cultural History
- LATN 321 - Roman Comedy
- LATN 351 - Roman Satire
- MUSC 340 - Music Production Workshop
- MUSC 341 - Opera Workshop II
-
- THTR 133-329 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Communication Arts

The Department of Communication Arts offers a Bachelor of Arts degree and an Associate of Arts degree in four major areas: Advertising, Electronic Media, Organizational Communication, and Public Relations. For more information on the associate degree, contact the Center for Adult and Part-time Students (CAPS).

The CA department also offers five minors in Communication Arts: Advertising, Electronic Media, Media Studies, Organizational Communication, and Public Relations.

Bachelor of Arts

Advertising, B.A.

Bachelor of Arts degree for Communication Arts majors

The Communication Arts Majors will help students understand many aspects of the human communication process, develop essential skills, and form positive attitudes toward the role that, as educated adults, they will play in society. Basic skills in written and spoken communication receive emphasis in all four communication majors: advertising, electronic media, organizational communication, and public relations. In order to complete all requirements for the degree, students should formally declare one of the four departmental majors preferably by the end of their freshmen year. Departmental guidance is necessary to ensure proper sequencing of classes. Proficiency in writing skills is required in all majors, and continued improvement in writing and speaking skills is expected. Qualified communication arts students are encouraged to take advantage of internship opportunities in their respective majors to gain practical professional experience. Many students within the department work closely with the University's television production studio. The television studio is very active in program production for cable television and industrial usage and the production, post production, and editing facilities utilize students in a number of roles and encourage the development of high professional standards. The Xavier University Vonder Haar Chapter of the Public Relations Society of America (PRSSA) and many other organizations and clubs provide opportunities for students to network with area professionals and gain meaningful practical experience.

Advertising

The goal of the Advertising major is to prepare students for a career in the field of advertising. This program offers a comprehensive study of advertising, including the principles of advertising, creative concepts, media planning, research, and management.

Core Curriculum Requirements:

64 credit hours

Major Requirements:

36 credit hours, as follows

30 hours from:

- COMM 101 - Oral Communication
- COMM 123 - Survey of Mass Media
- COMM 206 - Writing for the Media
- COMM 211 - Media Literacy
- COMM 230 - Principles of Advertising
- COMM 329 - Audience Survey and Research
- COMM 332 - Media Strategies in Advertising
- COMM 334 - Issues in Advertising
- COMM 430 - Creative Strategies in Advertising
- COMM 439 - Senior Seminar in Advertising: Campaigns

3 hours of Elective A, select 1 course from:

-
- COMM 232
- COMM 235 - Desktop Imaging

- COMM 237 - Elements of Copy and Design
-
- COMM 355
- COMM 432
- COMM 434
- COMM 435

3 hours of Elective B, select 1 course from:

- COMM 247 - Understanding New Media
-
- COMM 322
- COMM 323 - Race, Class, Gender & the Media
- COMM 385 - Media, Democracy and the Public

Note(s):

- A 2.000 cumulative average must be attained in the communication arts courses of each major.
- Since each major recommends certain courses as COMM electives, it is important that students work closely with their academic advisors in the choice of these electives.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. for the Communication Arts majors

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- Foreign Language Elective (3)
- History I Elective (3)
- Communication Arts course (3)
-
- THEO 111 - Theological Foundations
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- Foreign Language Elective (3)
- History II Elective (3)
- Communication Arts course (3)
- Literature Elective (3)
-
- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- Science Elective (3)
- Fine Arts Elective (3)
- Mathematics Elective (3)
- Communication Arts Major (3)
- Cultural Diversity Elective (1)

- PHIL 290 - Theory of Knowledge

Total (16)

Second Semester

- Science Elective (3)
- Mathematics Elective (3)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Communication Arts Major (3)

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

Total (15)

Junior Year

First Semester

- Philosophy Elective (3)
- Social Science Elective (3)
- Science Elective (3)
- Communication Arts Major (6)

Total (15)

Second Semester

- E/RS Focus Elective (3)
- Social Science Elective (3)
- Theology Ethics or Rel/Cult Elective (3)
- Communication Arts Major (6)

Total (15)

Senior Year

First Semester

- Communication Arts Major (6)
- General Electives (9)

Total (15)

Second Semester

- Communication Arts Senior Seminar (3)
- Communication Arts Major (3)
- General Electives (9)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree.

Electronic Media, B.A.

Bachelor of Arts degree for Communication Arts majors

The Communication Arts Majors will help students understand many aspects of the human communication process, develop essential skills, and form positive attitudes toward the role that, as educated adults, they will play in society. Basic skills in written and spoken communication receive emphasis in all four communication majors: advertising, electronic media, organizational communication, and public relations. In order to complete all requirements for the degree, students should formally declare one of the four departmental majors preferably by the end of their freshmen year. Departmental guidance is necessary to ensure proper sequencing of classes. Proficiency in writing skills is required in all majors, and continued improvement in writing and speaking skills is expected. Qualified communication arts students are encouraged to take advantage of internship opportunities in their respective majors to gain practical professional experience. Many students within the department work closely with the University's television production studio. The television studio is very active in program production for cable television and industrial usage and the production, post production, and editing facilities utilize students in a number of roles and encourage the development of high professional standards. The Xavier University Vonder Haar Chapter of the Public Relations Society of America (PRSSA) and many other organizations and clubs provide opportunities for students to network with area professionals and gain meaningful practical experience.

Electronic Media

The Electronic Media major will prepare students for entry-level positions in radio, television, cable, and corporate video. The program emphasizes those skills which are necessary for work in both the commercial and noncommercial broadcast areas, as well as corporate uses of the electronic media.

Core Curriculum Requirements:

64 credit hours

Major Requirements:

36 credit hours, as follows

27 hours from:

- COMM 101 - Oral Communication
- COMM 123 - Survey of Mass Media
- COMM 206 - Writing for the Media
- COMM 211 - Media Literacy
- COMM 250 - Screenwriting and Story Craft
- COMM 254 - Production I
- COMM 354 - Production II
- COMM 452 - Aesthetics & Techniques of Post-Production
- COMM 459 - Senior Seminar in Electronic Media Advanced Production

3 hours of elective, select 1 course from:

- COMM 247 - Understanding New Media
-
- COMM 322
- COMM 323 - Race, Class, Gender & the Media
- COMM 329 - Audience Survey and Research
- COMM 334 - Issues in Advertising
- COMM 385 - Media, Democracy and the Public
- COMM 426 - Media Law & Policy

6 hours of additional electives, selected from:

- Any COMM 197-499 (Refer to [Course Descriptions](#)).

Only one of the two electives in this category could be [COMM 398](#) or [COMM 498](#) (Internship).

Note(s):

- A 2.000 cumulative average must be attained in the communication arts courses of each major.
- Since each major recommends certain courses as COMM electives, it is important that students work closely with their academic advisors in the choice of these electives.

B.A. for the Communication Arts majors

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- Foreign Language Elective (3)
- History I Elective (3)
- Communication Arts course (3)
-
- THEO 111 - Theological Foundations
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- Foreign Language Elective (3)
- History II Elective (3)
- Communication Arts course (3)
- Literature Elective (3)

- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- Science Elective (3)
- Fine Arts Elective (3)
- Mathematics Elective (3)
- Communication Arts Major (3)
- Cultural Diversity Elective (1)

- PHIL 290 - Theory of Knowledge

Total (16)

Second Semester

- Science Elective (3)
- Mathematics Elective (3)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Communication Arts Major (3)

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

Total (15)

Junior Year

First Semester

- Philosophy Elective (3)
- Social Science Elective (3)
- Science Elective (3)
- Communication Arts Major (6)

Total (15)

Second Semester

- E/RS Focus Elective (3)
- Social Science Elective (3)
- Theology Ethics or Rel/Cult Elective (3)
- Communication Arts Major (6)

Total (15)

Senior Year

First Semester

- Communication Arts Major (6)
- General Electives (9)

Total (15)

Second Semester

- Communication Arts Senior Seminar (3)
- Communication Arts Major (3)
- General Electives (9)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree.

Organizational Communication, B.A.

Bachelor of Arts degree for Communication Arts majors

The Communication Arts Majors will help students understand many aspects of the human communication process, develop essential skills, and form positive attitudes toward the role that, as educated adults, they will play in society. Basic skills in written and spoken communication receive emphasis in all four communication majors: advertising, electronic media, organizational communication, and public relations. In order to complete all requirements for the degree, students should formally declare one of the four departmental majors preferably by the end of their freshmen year. Departmental guidance is necessary to ensure proper sequencing of classes. Proficiency in writing skills is required in all majors, and continued improvement in writing and speaking skills is expected. Qualified communication arts students are encouraged to take advantage of internship opportunities in their respective majors to gain practical professional experience. Many students within the department work closely with the University's television production studio. The television studio is very active in program production for cable television and industrial usage and the production, post production, and editing facilities utilize students in a number of roles and encourage the development of high professional standards. The Xavier University Vonder Haar Chapter of the Public Relations Society of America (PRSSA) and many other organizations and clubs provide opportunities for students to network with area professionals and gain meaningful practical experience.

Organizational Communication

Organizational Communication students have the opportunity to gain the knowledge and practical skills necessary to promote effective communication processes within public and private organizations. The program emphasizes both written and oral communication, and students are encouraged to prepare themselves for a broad range of employment possibilities in areas such as sales, special events planning, human resources, industrial relations, training, and management.

Core Curriculum Requirements:

64 credit hours

Major Requirements:

36 credit hours, as follows

33 hours from:

- COMM 101 - Oral Communication
- COMM 206 - Writing for the Media
- COMM 207 - Interpersonal Communication
- COMM 209 - Group Dynamics
- COMM 260 - Organizational Communication
- COMM 264 - Persuasion
- COMM 301 - Presentational Speaking
- COMM 327 - Interpersonal Conflict Management
- COMM 360 - Advanced Organizational Communication
- COMM 362 - Organizational Communication Research
- COMM 469 - Senior Seminar: Organizational Communication

3 hours of elective, select 1 course from:

- COMM 363 - Written Communication in Organizations
- COMM 371 - Advanced Public Relations Writing
-
- COMM 471

Note(s):

- A 2.000 cumulative average must be attained in the communication arts courses of each major.
- Since each major recommends certain courses as COMM electives, it is important that students work closely with their academic advisors in the choice of these electives.

B.A. for the Communication Arts majors

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- Foreign Language Elective (3)
- History I Elective (3)
- Communication Arts course (3)

- THEO 111 - Theological Foundations
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- Foreign Language Elective (3)
- History II Elective (3)
- Communication Arts course (3)
- Literature Elective (3)

- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- Science Elective (3)
- Fine Arts Elective (3)
- Mathematics Elective (3)
- Communication Arts Major (3)
- Cultural Diversity Elective (1)

- PHIL 290 - Theory of Knowledge

Total (16)

Second Semester

- Science Elective (3)
- Mathematics Elective (3)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Communication Arts Major (3)

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

Total (15)

Junior Year

First Semester

- Philosophy Elective (3)
- Social Science Elective (3)
- Science Elective (3)
- Communication Arts Major (6)

Total (15)

Second Semester

- E/RS Focus Elective (3)
- Social Science Elective (3)
- Theology Ethics or Rel/Cult Elective (3)
- Communication Arts Major (6)

Total (15)

Senior Year

First Semester

- Communication Arts Major (6)
- General Electives (9)

Total (15)

Second Semester

- Communication Arts Senior Seminar (3)
- Communication Arts Major (3)
- General Electives (9)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree.

Public Relations, B.A.

Bachelor of Arts degree for Communication Arts majors

The Communication Arts Majors will help students understand many aspects of the human communication process, develop essential skills, and form positive attitudes toward the role that, as educated adults, they will play in society. Basic skills in written and spoken communication receive emphasis in all four communication majors: advertising, electronic media, organizational communication, and public relations. In order to complete all requirements for the degree, students should formally declare one of the four departmental majors preferably by the end of their freshmen year. Departmental guidance is necessary to ensure proper sequencing of classes. Proficiency in writing skills is required in all majors, and continued improvement in writing and speaking skills is expected. Qualified communication arts students are encouraged to take advantage of internship opportunities in their respective majors to gain practical professional experience. Many students within the department work closely with the University's television production studio. The television studio is very active in program production for cable television and industrial usage and the production, post production, and editing facilities utilize students in a number of roles and encourage the development of high professional standards. The Xavier University Vonder Haar Chapter of the Public Relations Society of America (PRSSA) and many other organizations and clubs provide opportunities for students to network with area professionals and gain meaningful practical experience.

Public Relations

The Public Relations major combines comprehensive theory and specific practical skills, in the context of a humanistic liberal education, to prepare students for public relations careers in the corporate, private nonprofit, and public sectors; or for a broad range of other careers that benefit from careful thinking and clear communication.

Core Curriculum Requirements:

64 credit hours

Major Requirements:

36 credit hours, as follows

27 hours from:

- COMM 101 - Oral Communication
- COMM 206 - Writing for the Media
- COMM 207 - Interpersonal Communication
- COMM 211 - Media Literacy
- COMM 270 - Principles of Public Relations
- COMM 329 - Audience Survey and Research
- COMM 372 - Junior Seminar: Publics in Public Relations
- COMM 477 - Public Relations Ethics in Society
- COMM 479 - Senior Seminar: Public Relations Management

3 hours of Elective A, select 1 course from:

- COMM 363 - Written Communication in Organizations
- COMM 371 - Advanced Public Relations Writing
- COMM 375 - Feature Writing for Publication
-
- COMM 471

3 hours of Elective B, select 1 course from:

- COMM 301 - Presentational Speaking
-
- COMM 376
-
- COMM 377
- COMM 426 - Media Law & Policy
-
- COMM 470

3 hours of an additional elective, select 1 course from:

- COMM 123-499 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in the communication arts courses of each major.
- Since each major recommends certain courses as COMM electives, it is important that students work closely with their academic advisors in the choice of these electives.

B.A. for the Communication Arts majors

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- Foreign Language Elective (3)
- History I Elective (3)
- Communication Arts course (3)

- THEO 111 - Theological Foundations
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- Foreign Language Elective (3)
- History II Elective (3)
- Communication Arts course (3)
- Literature Elective (3)

- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- Science Elective (3)
- Fine Arts Elective (3)
- Mathematics Elective (3)
- Communication Arts Major (3)
- Cultural Diversity Elective (1)

- PHIL 290 - Theory of Knowledge

Total (16)

Second Semester

- Science Elective (3)
- Mathematics Elective (3)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Communication Arts Major (3)

- ENGL 205 - Literature & Moral Imagination

- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

Total (15)

Junior Year

First Semester

- Philosophy Elective (3)
- Social Science Elective (3)
- Science Elective (3)
- Communication Arts Major (6)

Total (15)

Second Semester

- E/RS Focus Elective (3)
- Social Science Elective (3)
- Theology Ethics or Rel/Cult Elective (3)
- Communication Arts Major (6)

Total (15)

Senior Year

First Semester

- Communication Arts Major (6)
- General Electives (9)

Total (15)

Second Semester

- Communication Arts Senior Seminar (3)
- Communication Arts Major (3)
- General Electives (9)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree.

Associate of Arts

Communication Arts, A.A. (Advertising, Electronic Media, Organizational Communication, Public Relations)

Core Curriculum Requirements for associate degrees:

31 credit hours

Major Requirements:

24 credit hours, as follows

*** Advertising Major**

24 hours from:

- COMM 101 - Oral Communication
- COMM 123 - Survey of Mass Media
- COMM 206 - Writing for the Media
- COMM 211 - Media Literacy
- COMM 230 - Principles of Advertising
- COMM 329 - Audience Survey and Research
- COMM 332 - Media Strategies in Advertising
- COMM 334 - Issues in Advertising

*** Electronic Media Major**

24 hours from:

- COMM 101 - Oral Communication
- COMM 206 - Writing for the Media
- COMM 211 - Media Literacy
- COMM 250 - Screenwriting and Story Craft
- COMM 254 - Production I
- COMM 354 - Production II
- COMM 452 - Aesthetics & Techniques of Post-Production

*** Organizational Communication Major**

21 hours from:

- COMM 101 - Oral Communication
- COMM 206 - Writing for the Media
- COMM 207 - Interpersonal Communication
- COMM 209 - Group Dynamics
- COMM 260 - Organizational Communication
- COMM 264 - Persuasion
- COMM 301 - Presentational Speaking

3 hours of elective:

- Select 1 course from COMM 123-499 (Refer to [Course Descriptions](#)).

* Public Relations Major

21 hours from:

- COMM 101 - Oral Communication
- COMM 206 - Writing for the Media
- COMM 207 - Interpersonal Communication
- COMM 211 - Media Literacy
- COMM 270 - Principles of Public Relations
- COMM 329 - Audience Survey and Research
- COMM 372 - Junior Seminar: Publics in Public Relations

3 hours of elective:

- Select 1 course from COMM 123-499 (Refer to [Course Descriptions](#)).

Note(s):

- A 2.000 cumulative average must be attained in the communication arts courses of each major.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

1. completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
2. attained a 2.000 average in the course work of the concentration;
3. attained a cumulative grade point average of 2.000;
4. earned at least 60 hours;
5. completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
6. transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
7. filed a formal graduation application by the deadline published for each semester;
8. completed all departmental requirements in the concentration field and all requirements of the college;
9. cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

10. completed at least one-half of the course requirements of the concentration at Xavier.

Minors

Advertising Minor

The advertising minor offers an understanding of the principles of advertising, creative concepts, and research.

18 total credit hours are required, as follows

15 hours from:

- COMM 206 - Writing for the Media
- COMM 211 - Media Literacy
- COMM 230 - Principles of Advertising
- COMM 329 - Audience Survey and Research
- COMM 430 - Creative Strategies in Advertising

3 hours of electives (1 course) selected from:

- COMM 235 - Desktop Imaging
- COMM 237 - Elements of Copy and Design
- COMM 264 - Persuasion
- COMM 332 - Media Strategies in Advertising
- COMM 334 - Issues in Advertising

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Communication Arts Minor

18 total credit hours are required, as follows

6 hours including:

- COMM 101 - Oral Communication
- COMM 211 - Media Literacy

12 hours of COMM electives (4 courses)

Note(s):

- A 2.000 cumulative grade point average must be attained in all courses taken in the minor.

Electronic Media Minor

The electronic media minor introduces the knowledge and skills utilized in electronic communications.

18 total credit hours are required, as follows:

12 hours from:

- COMM 206 - Writing for the Media
- COMM 250 - Screenwriting and Story Craft
- COMM 254 - Production I
- COMM 452 - Aesthetics & Techniques of Post-Production

6 hours of electives (2 courses) selected from:

- COMM 123 - Survey of Mass Media
- COMM 322 (3)
- COMM 354 - Production II
- COMM 355 (3)
- COMM 426 - Media Law & Policy
- COMM 451 - Introduction to Video Graphics

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Media Studies Minor

The media studies minor explores the nature, purpose, and techniques of communication media.

18 total credit hours are required, as follows:

9 hours from:

- COMM 123 - Survey of Mass Media
- COMM 206 - Writing for the Media
- COMM 211 - Media Literacy

6 hours of specific electives (2 courses) selected from:

- COMM 247 - Understanding New Media
- COMM 329 - Audience Survey and Research
- COMM 385 - Media, Democracy and the Public
- COMM 426 - Media Law & Policy

3 hours of electives (1 course) selected from:

- COMM 124-499 (Refer to [Course Descriptions](#)).

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Organizational Communication Minor

The organizational communication minor focuses on communication processes within public and private organizations.

18 total credit hours are required, as follows:

12 hours from:

- COMM 101 - Oral Communication
- COMM 209 - Group Dynamics
- COMM 260 - Organizational Communication
- COMM 363 - Written Communication in Organizations

6 hours of electives (2 courses) selected from:

- COMM 207 - Interpersonal Communication
- COMM 264 - Persuasion
- COMM 301 - Presentational Speaking
- COMM 327 - Interpersonal Conflict Management

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Public Relations Minor

The public relations minor includes the study of the principles, audiences, ethics, and skills of public relations.

18 total credit hours are required, as follows:

15 hours from:

- COMM 101 - Oral Communication
- COMM 206 - Writing for the Media
- COMM 270 - Principles of Public Relations
- COMM 372 - Junior Seminar: Publics in Public Relations
- COMM 477 - Public Relations Ethics in Society

3 hours of electives (1 course) selected from:

- COMM 301 - Presentational Speaking
- COMM 371 - Advanced Public Relations Writing
- COMM 375 - Feature Writing for Publication
- COMM 426 - Media Law & Policy

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Economics

The Department of Economics offers the Bachelor of Arts degree in Economics and a minor in Economics. Also offered, in conjunction with the Modern Languages Department, is a Bachelor of Arts degree in Modern Languages & International Economics - see [Modern Languages Department](#) for details. Note: Economics is also available as a major and minor in the Williams College of Business.

Bachelor of Arts

Economics, B.A.

The BA in Economics combines a liberal arts background with a thorough understanding of economic activity, and is an appropriate background for a career in business or government. It also provides an excellent basis for graduate study in law and in business as well as in economics itself. Economics majors gain a knowledge of the operation of the economy and experience with the methods of economic analysis. Specifically, students analyze such topics as inflation, unemployment, managerial decision-making, international trade, and governmental economic activity.

Requirements for the Economics Major

Core curriculum requirements:

64 credit hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social Science:

- Requirement included within the major.

Major Requirements:

33 credit hours, as follows

15 hours from:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles
- ECON 305 - Microeconomic Analysis
- ECON 306 - Macroeconomic Analysis
- STAT 211 - Statistics For Business II

18 hours of economics electives:

- Must include 6 hours of ECON courses at the 400 level.

Note(s):

- A 2.000 cumulative average must be attained in the above courses.
- Each student must orally present a paper written in a 400-level economics course to a forum established by the department.
- Computer competency required. Tutorials are available for students who are deficient in basic computing skills.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Economics

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- THEO 111 - Theological Foundations

- MATH 150 - Elements of Calculus I
-
- Foreign Language Elective (3)
-
- History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- PHIL 100 - Ethics as Introduction to Philosophy
- STAT 210 - Statistics For Business I
-
- Foreign Language Elective (3)
-
- History II Elective (3)
- ECON 200 - Microeconomic Principles

Total (15)

Sophomore Year

First Semester

- ECON 201 - Macroeconomic Principles
- INFO 200 - Managing Information Technology
-
- Theo Scrip/Hist or Christ Sys Elective (3)
-
- Literature Elective (3)
-
- Science Elective (3)
-
- Cultural Diversity Elective (1)

Total (15)

Second Semester

- STAT 211 - Statistics For Business II
- PHIL 290 - Theory of Knowledge
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
-
- Science Elective (3)
-
- Theology Ethics or Rel/Cult Elective (3)

Total (15)

Junior Year

First Semester

- ECON 305 - Microeconomic Analysis
-
- Science Elective (3)
-
- Fine Arts Elective (3)
-
- Economics Elective* (3)
-
- General Elective (3)

Total (15)

Second Semester

- ECON 306 - Macroeconomic Analysis
-
- Philosophy Elective (3)
-
- Economics Elective* (3)
-
- General Electives (5-6)

Total (14-15)

Senior Year

First Semester

- Economics Electives* (6)
- General Electives (9)

Total (15)

Second Semester

- Economics Electives* (6)
- General Electives (6)
- E/RS Focus Elective (3)

Total (15)

Note(s):

* At least six hours of economics electives must be in the 400- level courses.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Minors

Economics Minor

The Department of Economics and Human Resources offers the minor in Economics.

This minor is available to business and non-business undergraduate students.

15 total credit hours are required, as follows:

6 hours of economics:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

3 hours:

- ECON 305 - Microeconomic Analysis
- ECON 306 - Macroeconomic Analysis

6 hours of upper division electives, select from:

- ECON 300-499 (Refer to [Course Descriptions](#) .)
(except WCB students may not count ECON 300 in the minor).

Note(s):

- A 2.000 cumulative average must be attained in the courses of the minor.
- At least half of these credit hours must be taken at Xavier.

English

The Department of English offers the Bachelor of Arts, the Associate of Arts, and the Master of Arts in English degrees. For information on the associate degree, contact the Center for Adult and Part-time Students (CAPS). Also offered is a minor in English.

Bachelor of Arts

English, B.A.

The major in English is designed to develop writing skills, a critical and historical understanding of the English language and its literature, and a knowledge of current theories of literature, language, and humanistic interpretation. The English major is an excellent preparation for law school and for careers in education, journalism, editing, publishing, and other communications fields. It is also a fine preparation for a variety of business careers and for graduate school in business and, with appropriate science courses, for medical school.

Requirements for the English Major

Core Curriculum Requirements:

64 credit hours, including

Literature requirement:

- Included within the major.

Major Requirements:

36 credit hours, as follows

12 hours from:

- ENGL 115 - Rhetoric
- ENGL 221 - Poetry
- ENGL 302 - Modern Literary Theory or

- ENGL 303 - History of Literary Criticism
- ENGL 499 - Senior Seminar

3 hours from:

A specific major's section of

- ENGL 205 - Literature & Moral Imagination

21 hours of:

- Seven upper-level electives (ENGL 300-498) (Refer to [Course Descriptions](#)) including one course each in Shakespeare, British literature, American literature, and language or linguistics.

Note(s):

- A 2.000 cumulative average must be attained in these English courses.
- Undergraduates who wish to be certified as teachers of English on the secondary level are advised to consult with the Chair of the English Department and with the Office of Teacher Education and Placement regarding specific requirements for teacher certification.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. English

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 115 - Rhetoric
- History I Elective (3)
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Mathematics Core Elective (3)

Total (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination (Major's section)
-

- History II Elective (3)
-
- Foreign Language Elective (3)
- THEO 111 - Theological Foundations
-
- Mathematics Core Elective (3)

Total (15)

Sophomore Year

First Semester

- ENGL 221 - Poetry
- PHIL 290 - Theory of Knowledge
-
- Science Elective (3)
-
- Social Science Elective (3)
-
- Fine Arts Elective (3)
-
- Cultural Diversity Elective (1)

Total (16)

Second Semester

- ENGL 302 - Modern Literary Theory or
- ENGL 303 - History of Literary Criticism
-
- Theo Scrip/Hist or Christ Sys Elective (3)
-
- Science Elective (3)
-
- Social Science Elective (3)
-
- E/RS Focus Elective (3)

Total (15)

Junior Year

First Semester

- ENGL 425 - Shakespeare
-
- British Literature course (3)
-
- Philosophy Elective (3)
-
- Science Elective (3)
-
- General Elective (3)

Total (15)

Second Semester

- American Literature Elective (3)
- Language/linguistics Elective (3)
- Theology Ethics or Rel/Cult Elective (3)
- General Electives (6)

Total (15)

Senior Year

First Semester

- English Electives (6)
- General Electives (9)

Total (15)

Second Semester

- ENGL 499 - Senior Seminar
-
- English Elective (3)
-
- General Electives (8)

Total (14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Associate of Arts

English, A.A.

Core Curriculum Requirements:

28 credit hours

Concentration Requirements:

15 credit hours, as follows:

6 hours from:

- ENGL 115 - Rhetoric
- ENGL 221 - Poetry

9 hours of upper-level electives:

- ENGL 300-498 (Refer to [Course Descriptions](#)), including one course each in British literature and American literature.

Note(s):

- A 2.000 cumulative average must be attained in the English courses.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

1. completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
2. attained a 2.000 average in the course work of the concentration;
3. attained a cumulative grade point average of 2.000;
4. earned at least 60 hours;
5. completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
6. transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;

7. filed a formal graduation application by the deadline published for each semester;
8. completed all departmental requirements in the concentration field and all requirements of the college;
9. cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

10. completed at least one-half of the course requirements of the concentration at Xavier.

Minors

English Minor

18 total credit hours are required, as follows:

6 hours from:

- ENGL 115 - Rhetoric
- ENGL 221 - Poetry

3 hours from a specific major's section of:

- ENGL 205 - Literature & Moral Imagination

9 hours of upper-level electives:

- ENGL 300-498 (Refer to [Course Descriptions](#)), including one course each in British literature and American literature.

Note(s):

- A 2.000 cumulative average must be attained in the English courses.

Master of Arts

English, M.A.

The program for the Master of Arts degree in English is designed to develop critical, expository, and research skills, a critical and historical understanding of literature and language, and a working knowledge of current theories of interpreting and evaluating literary texts.

The M.A. in English requires a completion of 30 semester hours of course work, or with the approval of your advisor, the degree can be completed with 24 semester hours of course work and completing a written thesis which earns 6 hours of credit.

The following 15 hours of courses are required of all students:

- ENGL 512 - Literary Theory
- ENGL 525 - Shakespeare
-
- One 500-level graduate course on linguistics or language
-
- One 500 or 600 level graduate course on women or minority authors
-
- One graduate seminar course.

Language Requirement:

Students must demonstrate reading knowledge of a foreign language by attaining at least a B in an intermediate-level foreign language course (e.g., 200-level) while taken as an M.A. student. Alternately, students may pass a translation examination administered by the appropriate language department at Xavier. In addition to modern languages, ASL, Old English, Latin, and Greek will be accepted in fulfillment of the requirement. Middle English will not be accepted. Exemptions and special circumstances (e.g., the desire to take the exam in a language not offered by Xavier University, or requests to use recent undergraduate foreign language courses to fulfill the requirement) will be considered by the Chair/ Director on a case-by-case basis.

Additional Requirements:

- 15-18 hours of English electives are needed to complete the degree selected from ENGL 500-695 (Refer to [Course Descriptions](#)). Courses may be taken at the 300 or 400 level for graduate credit, with approval of the program director. The completion of the Master's Thesis ([ENGL 700](#) & [ENGL 701](#)) for 6 hours can be used in this elective area of the degree requirements.
- A 3.000 cumulative average must be attained in all the graduate credit courses.
- At the close of their studies, they must pass a written comprehensive examination based on eighteen works of literature, linguistics, composition and literary theory. Fifteen of these works are chosen by the department every two years; the remaining three are chosen by the individual student. The comprehensive examination is given in April and November.

Admission Requirements:

The Master of Arts program in English invites applications from students with a bachelor's degree and a solid academic record. Students seeking admission are expected to have a 3.200 average in their undergraduate English courses. Applicants should have excellent writing skills and a strong background in the humanities but need not be undergraduate English majors. Admission decisions are based on factors such as past academic performance, standardized test score, and other information submitted.

Note(s):

Further information and application materials may be obtained from the Office of Graduate Services, 312 Elet Hall, 513 745-3360. Most courses are offered in the evening for the convenience of part-time students.

History

The Department of History offers the Bachelor of Arts and the Associate of Arts degrees in History. For information on the associate degree, contact the Center for Adult and Part-time Students (CAPS). Also offered is a minor in History.

Bachelor of Arts

History, B.A.

The History major provides an excellent foundation for a wide variety of careers and professions. The study of history encourages one to examine closely the institutions, ideas, and systems that shape our world. Requirements for the History major also broaden students' understanding of other cultures and their historical interconnections, and thereby sharpen the skills essential to all historical inquiry. History makes a unique contribution to a liberal education. It requires the attainment of a sympathetic appreciation of events and developments seen, not in isolation, but as part of a complex process. The study of history encourages depth of understanding through the development of analytic and critical skills. It trains one to seek valid conclusions that are based on all available sources of information. The study of history is compatible with any minor, including business, to prepare students for success in their career and professional choices.

Requirements for the History Major

Core Curriculum Requirements:

64 credit hours, including

History Requirement:

- Included within the major.

Major Requirements:

36 credit hours, as follows

12 hours with completion of two 100-level sequences selected from:

- HIST 123 - African History I
- HIST 124 - African History II
- HIST 133 - European History I
- HIST 134 - European History II
- HIST 143 - U.S. History I
- HIST 144 - U.S. History II
- HIST 151 - Latin American History I
- HIST 152 - Latin American History II
- HIST 161 - Asian History I
- HIST 162 - Asian History II

3 hours from:

- HIST 210 - Sophomore Colloquium

15 hours of electives from:

- HIST 200-399 (Refer to [Course Descriptions](#) .)

6 hours of two, three-hour seminars from:

- HIST 400-480 (Refer to [Course Descriptions](#) .)

Also included must be two courses each, at any level, in:

- (1) U.S., (2) European, (3) African, Asian, or Latin American history. Neither AP credit nor [HIST 210](#) count toward these geographical requirements.

Note(s):

- A 2.000 cumulative average must be attained in these history courses.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. History

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

-
- History Level I (1st sequence) (3)
-
- Foreign Language Elective (3)
-
- Science Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

-
- History Level II (1st sequence) (3)
-
- Foreign Language Elective (3)
-
- Science Elective (3)
- THEO 111 - Theological Foundations
-
- Literature Elective (3)

Total (15)

Sophomore Year

First Semester

- History Level I (2nd sequence) (3)

- Social Science Elective (3)
- Mathematics Elective (3)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Elective (*continued study of foreign language strongly recommended*) (3)
- Cultural Diversity Elective (1)

Total (16)

Second Semester

-
- History Level II (2nd sequence)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- HIST 210 - Sophomore Colloquium
- PHIL 290 - Theory of Knowledge
-
- Elective (*continued study of foreign language strongly recommended*) (3)

Total (15)

Junior Year

First Semester

- History Electives (2) (6)
- Mathematics Elective (3)
- Theology Ethics or Rel/Cult Elective (3)
- Social Science Elective (3)

Total (15)

Second Semester

History Elective (3)

History Seminar (3)

Science Elective (3)

General Elective (3)

E/RS Focus Elective (3)

Total (15)

Senior Year

First Semester

- History Elective (3)
- History Seminar (3)
- Fine Arts Elective (3)
- General Electives (3)

Total (15)

Second Semester

- History Elective (3)
- Philosophy Elective (3)
- General Electives (8)

Total (14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Associate of Arts

History, A.A.

Core Curriculum Requirements:

31 credit hours, including:

- History requirement included within the concentration.

Concentration Requirements:

15 credit hours, as follows:

3 hours of history courses from:

- HIST 134 - European History II or
- HIST 144 - U.S. History II continuation of core course.

12 hours of electives chosen from:

- HIST 200-399 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these courses for the history concentration.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Minors

History Minor

18 total credit hours are required, as follows:

6 hours with completion of one 100-level sequences selected from:

- HIST 123 - African History I
 - HIST 124 - African History II
 - HIST 133 - European History I
 - HIST 134 - European History II
 - HIST 143 - U.S. History I
 - HIST 144 - U.S. History II
 - HIST 151 - Latin American History I
 - HIST 152 - Latin American History II
- or
- HIST 161 - Asian History I

- HIST 162 - Asian History II

3 hours of an additional course from:

- HIST 123 - African History I
- HIST 124 - African History II
- HIST 133 - European History I
- HIST 134 - European History II
- HIST 143 - U.S. History I
- HIST 144 - U.S. History II
- HIST 151 - Latin American History I
- HIST 152 - Latin American History II
- HIST 161 - Asian History I
- HIST 162 - Asian History II

6 hours of electives from:

- HIST 200-399 (Refer to [Course Descriptions](#) .)

3 hours of seminar from:

- HIST 400-480 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these courses for the minor.

Honors

Honors Bachelor of Arts

Philosophy, Politics and the Public Honors Program

The *Philosophy, Politics & the Public Program* brings together many of Xavier's traditional curricular strengths in an innovative and rigorous undergraduate honors program of study focusing on the unifying concept of "the public sphere" in democratic societies. The program is inspired by the *Philosophy, Politics & Economics* programs commonly found in the British university system, but differs from them by placing greater emphasis upon philosophical conceptions and historical context. The approach taken by this honors program is expressed in the meanings of the several conceptions identified in its very name. In its original meaning, philosophy denotes "the love of wisdom." Aristotle, one of the greatest and most influential philosophers of the western tradition, defined politics as "the master science of the good." "The public" represents a multi-dimensional domain of shared consciousness, ideals and action. Through course work that is both multi-disciplinary as well as centered in a particular disciplinary concentration, students are encouraged to follow their own interests in the theoretical engagement of the public in its many embodiments and meanings. In addition, the theoretical work in the program is complemented by engagement in the active world of politics through working on political campaigns, lobbying of behalf of legislation, internships in local and national government offices and summer study in Paris that includes a seminar in Brussels, the seat of the European Union. The program is highly selective, with 15 to 20 freshman students enrolling each fall.

The Philosophy, Politics & the Public Core Sequence

The program finds its center in two main areas. Students take the core interdisciplinary course sequence during sophomore and junior year. The sophomore year sequence brings together faculty from history and political science. Its focus is on America's civic culture in its growth and development, with special emphasis upon electoral and legislative politics. The junior year sequence is primarily philosophical and centers upon the philosophical ideas of the Enlightenment culminating in the French Revolution as a primary shaper of both modern democratic institutions as well as modern conceptions of "the public." The course will culminate with the students traveling to Paris and Brussels to meet with French specialists and students who are likewise investigating the changing contours of the modern Western democracies that this revolution had so profoundly affected. Details of these sequences appear below.

The Philosophy, Politics & the Public Elective Concentration

Together with the Constructing the Public sequence, the Elective Concentration forms the heart of the individual student's PPP program. Students are encouraged to choose an Elective Concentration in a discipline that most closely fits their own academic interest in "the public." In this way, the Elective Concentration provides the conceptual center of the PPP student's course of study, supplying the dominant framework from which he or she investigates the complex content of "the public." There are a total of 18 hours of available electives in the PPP honors program. Students may choose an Interdisciplinary minor or one that is departmentally based. Some examples are:

- *Philosophy, Politics & the Public* combined with an Interdisciplinary Minor
- Concentration in Gender & Diversity
- Concentration in International Studies
- Concentration in Latin American Studies
- Concentration in Peace Studies
- Concentration in Catholicism & Culture

- *Philosophy, Politics & the Public* combined with a Discipline-based Minor
- Concentration in Business
- Concentration in Economics
- Concentration in History
- Concentration in International Studies
- Concentration in Philosophy
- Concentration in Political Science
- Concentration in Art

The Senior Capstone Research Thesis

In the senior year, all PPP students will submit a research thesis for public defense. This thesis will be multidisciplinary in content and will address issues concerning the public that flow from the student's own elective concentration.

Additional Course Requirements in the Program

In addition to these required core and elective courses, students in Philosophy, Politics and the Public must complete either a full minor in a foreign language or complete two languages through intermediate proficiency, one additional course from a history survey of the student's choice, and two courses in economics.

The Honors Bachelor of Arts

Established in 1948, Honors A.B. is the University's first and oldest honors program. True to Xavier's Jesuit heritage, the program emphasizes the interdisciplinary study of philosophy and the classics. Students study the classic texts of Western civilization while fostering deeper understanding of the values and ideals they embrace.

The Honors AB is designed to prepare students for life in the modern world by developing depth and balance of intellect and an openness to new ideas by examining the roots from which our culture and traditions have sprung. Honors graduates have gone on to careers in many different academic, professional, and business areas. Candidates for the program are expected to rank high in their high school classes, and ordinarily they should have four years of high school Latin, although special arrangements can be made for those with less.

Honors students are expected to fulfill the regular undergraduate core curriculum requirements including the following modifications, and whenever possible, special Honors sections or the more demanding sections of required courses should be taken:

Cultural Diversity - 1 hour
English - 9 hours (3 Rhetoric, 6 Literature)
History - 6 hours
Social Sciences - 6 hours
Mathematics - 6 hours (including Calculus)
Science - 9 to 11 hours
Fine Arts - 3 hours
Theology - 9 hours
Philosophy - 18 hours
Latin - 21 hours
Greek - 21 hours
Capstone course - 3 hours

The requirements listed above include three hours each of philosophy (Ethics), theology (Foundations), literature (Moral Imagination), and the three elective hours needed to complete the Ethics/Religion and Society Focus.

There remain a good number of credit hours for the superior student to cover premedical or prelaw requirements, or to do concentrated work in almost any major or minor.

Mathematics and Computer Science

The Department of Mathematics and Computer Science offers two degrees, the Bachelor of Science in Mathematics and the Bachelor of Science in Computer Science, as well as minors in Mathematics, Statistics, and Computer Science.

Special Note

Students without a strong background in high school mathematics often experience difficulty in computer science courses. All courses require out-of-class time in the computer lab. See the [Department of Management Information Systems](#) in the Williams College of Business for additional computer courses.

Bachelor of Science

Computer Science, B.S.

Computer technology has revolutionized society's methods for processing information and making decisions. The growth in the use of computers has increased the demand for professionals in computer science. Typical computer careers include programming and application in such areas as accounting, engineering, law, mathematics, medicine, and the sciences. Other positions include research in computer science, computer design, computer product marketing and sales, technical writing, and teaching.

Xavier's program is designed to develop, within the framework of a liberal education, the knowledge, skills, and creative analytical ability required for a productive career in computer-related fields and for graduate work in computer science or other areas. Computer science students may elect to participate in a cooperative education experience. The cooperation education program is designed to complement students' classroom training in theoretical computer science by providing actual work experience in a real software engineering environment. In addition to gaining a deeper appreciation of classroom theory, students also make valuable professional contacts and learn more about career options in computer science.

Requirements for the Computer Science Major

Core Curriculum Requirements:

64 credit hours, including

Sciences:

At least 9 hours in two sciences from the following:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I

- PHYS 172 - University Physics II

Mathematics:

14 hours from:

- MATH 170 - Calculus I
- MATH 171 - Calculus II
- MATH 225 - Foundations Of Higher Mathematics

- and either

- MATH 156 - General Statistics or
- MATH 240 - Linear Algebra

Major Requirements:

36 credit hours, as follows

30 hours of computer science courses:

- CSCI 170 - Computer Science I
- CSCI 180 - Computer Science II
- CSCI 181 - Computer Science Lab
- CSCI 210 - Machine Organization & Assembly Language
- CSCI 220 - Data Structures & Algorithms
- CSCI 250 - Languages & Automata
- CSCI 260 - Software Engineering
- CSCI 300 - Programming Languages
- CSCI 320 - Operating Systems
- CSCI 340 - Networking
- CSCI 390 - Senior Seminar & Project

6 hours of computer science electives selected from:

- CSCI 200-397 (Refer to [Course Descriptions](#) .) (includes co-op CSCI 395)

Note(s):

- A 2.000 cumulative average must be attained in the computer science courses.
- Fulfill the current senior comprehensive requirements.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Computer Science

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- CSCI 170 - Computer Science I
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- MATH 170 - Calculus I
- Foreign Language Elective (3)
- THEO 111 - Theological Foundations

Total (16)

Second Semester

- CSCI 180 - Computer Science II
- CSCI 181 - Computer Science Lab
- MATH 171 - Calculus II
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- MATH 225 - Foundations Of Higher Mathematics

Total (17)

Sophomore Year

First Semester

- CSCI 220 - Data Structures & Algorithms
- CSCI 210 - Machine Organization & Assembly Language
- Science/Lab (4)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Literature Elective (3)
- Cultural Diversity Elective (1)

Total (17)

Second Semester

- CSCI 260 - Software Engineering
- CSCI 250 - Languages & Automata
- Science/Lab (4)
- PHIL 290 - Theory of Knowledge
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or

- SPAN 205 - Hispanic Literature & Moral Imagination

Total (16)

Junior Year

First Semester

- CSCI 300 - Programming Languages
- • Science/Lab (4)
- • History I Elective (3)
- MATH 156 - General Statistics or
- MATH 240 - Linear Algebra

Total (13)

Second Semester

- CSCI 340 - Networking
- • Philosophy Elective (3)
- • History II Elective (3)
- • CSCI Elective (3)

Total (12)

Senior Year

First Semester

- CSCI 320 - Operating Systems
- • Theology Ethics or Rel/Cult Elective (3)
- • Social Science Elective (3)
- • Fine Arts Elective (3)
- • General Elective (3)

Total (15)

Second Semester

- CSCI 390 - Senior Seminar & Project *
- CSCI Elective (3)
- Social Science Elective (3)
- General Elective (3)
- E/RS Focus Elective (3)

Total (15)

Note(s):

* Students taking Senior Seminar and Project should contact the chair of the Mathematics and Computer Science Department one semester before enrolling in this course.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Mathematics, B.S.

The Department of Mathematics offers a program intended to develop a student's capacity to undertake intellectually demanding mathematical tasks by emphasizing general mathematical reasoning through mastery of varied subject matter. Upon successful completion of the program, the student should be well prepared for graduate studies in mathematics and related disciplines, for teaching at the secondary level and for immediate employment by industry in a position which makes use of the talents and abilities of one trained in the mathematical sciences.

Mathematicians continue to be in demand to fill both traditional and developing roles in society. Opportunities abound for researchers in all areas of mathematics. Engineering, computer science, and the physical sciences require individuals with mathematical training. The applications of statistics are increasingly widespread. Those in the economics as well as other social and health sciences, in the business community, and in the field of law are aware of the value of mathematics, not only as a tool for problem solving, but also for developing critical and analytical skills.

Requirements for the Mathematics Major

Core Curriculum Requirements:

64 credit hours, including

Sciences:

At least 9 hours in two sciences including any two of the following:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab

- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- PHYS 172 - University Physics II

Mathematics:

- Requirement included within the major.

Major Requirements:

45 credit hours, as follows

24 hours from:

- MATH 170 - Calculus I
- MATH 171 - Calculus II
- MATH 220 - Calculus III
- MATH 225 - Foundations Of Higher Mathematics
- MATH 240 - Linear Algebra
- MATH 340 - Abstract Algebra I
- MATH 370 - Real Analysis

3 hours of seminar from:

- MATH 391 - Mathematics Seminar I
- MATH 392 - Mathematics Seminar 2
- MATH 393 - Mathematics Seminar 3

3 hours of computer sciences from:

- CSCI 170 - Computer Science I

9 hours of core electives from:

- MATH 230 - Differential Equations
- MATH 256 - Intro to Probability & Statistics
- MATH 280
- MATH 301 - Survey of Geometries
- MATH 302 - Theory of Numbers
- MATH 311 - Probability
- MATH 325 - Mathematical Modeling
- MATH 330 - Graph Theory
- MATH 341 - Abstract Algebra II
- MATH 360 - Elementary Topology
- MATH 371
- MATH 380 - Complex Variables

6 hours of additional electives from:

- MATH 230-397 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these mathematics and computer science courses.
- Students are required to complete the MFT (Major Fields Test) in Mathematics.
- Senior project presented to the faculty of the department.
- The mathematics electives should be chosen under the guidance of the student's advisor. Any student wishing to major in mathematics should consult the chair of the department before registration.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Mathematics

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 170 - Calculus I
- CSCI 170 - Computer Science I
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (13)

Second Semester

- MATH 171 - Calculus II
- MATH 225 - Foundations Of Higher Mathematics
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- THEO 111 - Theological Foundations

Total (16)

Sophomore Year

First Semester

- MATH 220 - Calculus III
- • MATH Elective (3)
- • History I Elective (3)
- • Literature Elective (3)
- PHIL 290 - Theory of Knowledge

Total (16)

Second Semester

- MATH 240 - Linear Algebra
- • MATH Elective (3)
- • History II Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Theo Scrip/Hist or Christ Sys Elective (3)
- • Cultural Diversity Elective (1)

Total (16)

Junior Year

First Semester

- MATH 340 - Abstract Algebra I
- • MATH Elective (3)
- • Philosophy Elective (3)
- • Science Elective (4)
- • Fine Arts Elective (3)

Total (16)

Second Semester

- MATH 370 - Real Analysis
- • MATH Elective (3)
- MATH 391 - Mathematics Seminar I
- • Science Elective (4)
- • Theology Ethics or Rel/Cult Elective (3)

Total (14)

Senior Year

First Semester

- • MATH Elective (3)
- MATH 392 - Mathematics Seminar 2
- • Science Elective (3)
- • Social Science Elective (3)
- • General Electives (6)

Total (16)

Second Semester

- MATH 393 - Mathematics Seminar 3
- • Social Science Elective (3)
- • General Electives (6)
- • E/RS Focus Elective (3)

Total (13)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Minors

Computer Science Minor

16 total credit hours are required, as follows:

10 hours from:

- CSCI 170 - Computer Science I

- CSCI 180 - Computer Science II
- CSCI 181 - Computer Science Lab
- CSCI 220 - Data Structures & Algorithms

6 hours of electives selected from:

- CSCI 210-397 (Refer to [Course Descriptions](#)) ([CSCI 260](#) is strongly encouraged)

Note(s):

- A 2.000 cumulative average must be attained in all these computer science courses.

Mathematics Minor

20 total credit hours are required, as follows:

11 hours of mathematics courses:

- MATH 170 - Calculus I
- MATH 171 - Calculus II
- MATH 225 - Foundations Of Higher Mathematics

9 additional hours of mathematics electives selected from:

- MATH 220-399 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these mathematics courses.

Statistics Minor

20 total credit hours are required, as follows:

17 hours of mathematics courses:

- MATH 170 - Calculus I
- MATH 171 - Calculus II
- MATH 256 - Intro to Probability & Statistics
- MATH 311 - Probability
- MATH 312 - Statistical Inference

3 additional hours as approved by department, including:

- • MATH 257
- • ECON 350
- ECON 410 - Empirical Analysis in Economics
- INFO 329 - Data Mining

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Modern Languages

The Department of Modern Languages offers the Bachelor of Arts and Associate of Arts degrees in French, German, and Spanish. For information on the associate degrees, contact the Center for Adult and Part-time Students (CAPS). Also offered are minors in French, German, Spanish and Latin American Studies. Also offered, in conjunction with the Economics Department, is a Bachelor of Arts degree in Modern Languages & International Economics.

A placement test is administered to those students who took French, German, or Spanish in high school. The result determines the number of courses needed in order to fulfill the foreign language requirement. All French/German/Spanish majors must complete a one-credit senior project ([FREN 499](#) / [GERM 499](#) / [SPAN 499](#)). All courses must be in the appropriate language (French/German/Spanish) to count towards the major.

Bachelor of Arts

French, B.A.

The programs for majors in German, French, and Spanish offered by the Department of Modern Languages provide an opportunity for the development of proficiency in the spoken and written language, as well as a study of the literature and civilization in areas where the language is spoken.

Students are encouraged to combine a modern language major with a second major or a related minor.

Undergraduates who wish to be licensed as teachers of French, German, or Spanish are advised to consult with the department education coordinator and with the School of Education regarding specific requirements for language teacher licensure.

Requirements for the French Major

Core Curriculum Requirements:

64 credit hours of [Undergraduate Core Curriculum](#) , including

Foreign Language:

- Complete intermediate level proficiency (202 level).

Major Requirements:

- Placement test to determine which lower division courses are required.
- Completion of 28 hours of upper division courses (300-499) taught in the foreign language.
- A 2.000 cumulative average must be attained in the major courses.

28 credit hours, as follows

*French:

9 hours of language/culture from:

- FREN 300-351 (Refer to [Course Descriptions](#) .)

9 hours of literature from:

- FREN 420-462 (Refer to [Course Descriptions](#) .)

9 hours of major electives selected from:

- FREN 300-498 (Refer to [Course Descriptions](#) .)

1 hour of senior project from:

- FREN 499 - Senior Research Project

B.A. French/German/Spanish Suggested Schedule

This block serves as a guideline for progress toward a degree. See your academic advisor for specific guidance.

Freshman Year

First Semester

- History 1 (3)

- FREN 201 - Intermediate French I or
- GERM 201 - Intermediate German I or
- SPAN 201 - Intermediate Spanish I

-

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

-

- Mathematics Elective (3)
- Fine Arts Elective (3)

TOTAL: (15)

Second Semester

- History II (3)

- FREN 202 - Intermediate French II or
- GERM 202 - Intermediate German II or
- SPAN 202 - Intermediate Spanish II

-

- Science Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Mathematics Elective (3)

TOTAL: (15)

Sophomore Year

First Semester

- Social Science Elective (3)
- THEO 111 - Theological Foundations
- Science Elective (3)

- FREN 300 - Advanced French I or
- GERM 300 - Advanced German I or
- SPAN 300 - Advanced Spanish I

•

- PHIL 290 - Theory of Knowledge
- Cultural Diversity Elective (1)

TOTAL: (16)

Second Semester

- Social Science Elective (3)
- French, German, or Spanish Elective (3)
- THEO Scripture/History or Christian Sys. Elective (3)
- Science Elective (3)
- General Elective (3)

TOTAL: (15)

Junior Year

First Semester

- Literature Elective (3)
- Philosophy Elective (3)
- French, German, or Spanish Elective (6)
- THEO Ethics or Religion/Culture Elective (3)

TOTAL: (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination or
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

•

- French, German, or Spanish Elective (6)
- General Elective (3)
- E/RS Focus Elective (3)

TOTAL: (15)

Senior Year

First Semester

- French, German, or Spanish Electives (6)
- General Electives (9)

TOTAL: (15)

Second Semester

- • French, German, or Spanish Elective (3)
- General Electives (10)

- FREN 499 - Senior Research Project or
- GERM 499 - Senior Research Project or
- SPAN 499 - Senior Research Project

TOTAL: (14)

Note(s):

- Elementary French, German, and Spanish are available to students with no previous language study or those who place into these levels.
- Consult the [Undergraduate Core Curriculum](#) requirements of this catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree.

German, B.A.

The programs for majors in German, French, and Spanish offered by the Department of Modern Languages provide an opportunity for the development of proficiency in the spoken and written language, as well as a study of the literature and civilization in areas where the language is spoken.

Students are encouraged to combine a modern language major with a second major or a related minor.

Undergraduates who wish to be licensed as teachers of French, German, or Spanish are advised to consult with the department education coordinator and with the School of Education regarding specific requirements for language teacher licensure.

Requirements for the German Major

Core Curriculum Requirements:

64 credit hours of [Undergraduate Core Curriculum](#) including

Foreign Language:

- Complete intermediate level proficiency (202 level).

Major Requirements:

- Placement test to determine which lower division courses are required.
- Completion of 28 hours of upper division courses (300-499) taught in the foreign language.
- A 2.00 cumulative grade-point average must be attained in the major courses.

28 credit hours, as follows

German:

9 hours of language/culture from:

- GERM 300-351 (Refer to [Course Descriptions](#)).

9 hours of literature from:

- GERM 410-470 (Refer to [Course Descriptions](#)).

9 hours of major electives selected from:

- GERM 300-498 (Refer to [Course Descriptions](#)).

1 hour of senior project from:

- GERM 499 - Senior Research Project

B.A. French/German/Spanish Suggested Schedule

This block serves as a guideline for progress toward a degree. See your academic advisor for specific guidance.

Freshman Year

First Semester

- • History I (3)

- FREN 201 - Intermediate French I or
- GERM 201 - Intermediate German I or
- SPAN 201 - Intermediate Spanish I

-

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

-

- Mathematics Elective (3)
- Fine Arts Elective (3)

TOTAL: (15)

Second Semester

- • History II (3)

- FREN 202 - Intermediate French II or
- GERM 202 - Intermediate German II or
- SPAN 202 - Intermediate Spanish II

-

- Science Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • Mathematics Elective (3)

TOTAL: (15)

Sophomore Year

First Semester

- • Social Science Elective (3)
- THEO 111 - Theological Foundations
- • Science Elective (3)

- FREN 300 - Advanced French I or
- GERM 300 - Advanced German I or
- SPAN 300 - Advanced Spanish I

-

- PHIL 290 - Theory of Knowledge
- • Cultural Diversity Elective (1)

TOTAL: (16)

Second Semester

- Social Science Elective (3)
- French, German, or Spanish Elective (3)
- THEO Scripture/History or Christian Sys. Elective (3)
- Science Elective (3)
- General Elective (3)

TOTAL: (15)

Junior Year

First Semester

- Literature Elective (3)
- Philosophy Elective (3)
- French, German, or Spanish Elective (6)
- THEO Ethics or Religion/Culture Elective (3)

TOTAL: (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination or
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

-

- French, German, or Spanish Elective (6)
- General Elective (3)
- E/RS Focus Elective (3)

TOTAL: (15)

Senior Year

First Semester

- French, German, or Spanish Electives (6)
- General Electives (9)

TOTAL: (15)

Second Semester

- French, German, or Spanish Elective (3)
- General Electives (10)

- FREN 499 - Senior Research Project or
- GERM 499 - Senior Research Project or
- SPAN 499 - Senior Research Project

TOTAL: (14)

Note(s):

- Elementary French, German, and Spanish are available to students with no previous language study or those who place into these levels.
- Consult the [Undergraduate Core Curriculum](#) requirements of this catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree.

Modern Language and International Economics, B.A.

Anyone working in the international arena — whether in international relations, for an international organization, or in business — needs to work with people from around the world and have a deep understanding of the global economic environment. Students receive this mix with the interdisciplinary major that is offered jointly by the Departments of Modern Languages and Economics. The blended coursework provides students with:

- A solid foundation in French, German, or Spanish.
- The skills to address international economic issues and work in the global arena.
- A sound understanding of the cultures that exist across the global economy.

The B.A. in Modern Languages and International Economics requires students to select a modern language *concentration* from French, German or Spanish. The senior research and the directed study courses in each concentration are the capstone courses, and they are jointly directed by faculty members in Modern Languages and Economics. Students are prepared and encouraged to pursue internships and exchange programs abroad. To plan courses, study- or work-abroad, and your future career, please contact faculty advisors in the Modern Language Department or the Economics Department.

Requirements for the Major

Core curriculum requirements:

64 credit hours, including

Foreign Language:

- Complete intermediate level proficiency (202 level).

Literature:

- Can be fulfilled with a course in the concentration portion of the major.

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social Sciences:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles
- (included in the major)

Major Requirements:

50 credit hours, as follows

21 hours of specific courses from:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles
- ECON 300 - International Trade & Business Environment
- ECON 305 - Microeconomic Analysis
- ECON 306 - Macroeconomic Analysis
- ECON 450 - International Economics
- STAT 211 - Statistics For Business II

6 hours from:

- ECON 310-499 (Refer to [Course Descriptions](#)), which must include 3 hours of ECON courses at the 400 level.

23 hours of courses in a chosen concentration:

French:

- 21 hours from FREN 300-490 (Refer to [Course Descriptions](#));
- 1 hour of senior research from [FREN 499](#)
- And 1 hour of directed study in culture & civilization from [FREN 496](#) .

German:

- 21 hours from GERM 300-490 (Refer to [Course Descriptions](#) .)
- 1 hour of senior research from [GERM 499](#)
- And 1 hour of directed study in culture & civilization from [GERM 496](#) .

Spanish:

- 21 hours from [SPAN 300](#) or [SPAN 301](#) with [SPAN 302](#) , [SPAN 303](#) , [SPAN 306](#)
- 9 hours of electives from SPAN 304-490 (Refer to [Course Descriptions](#) .)
- 1 hour of senior research from [SPAN 499](#)
- And 1 hour of directed study in culture & civilization from [SPAN 496](#) .

Note(s):

- A 2.000 cumulative average must be attained in these required and concentration courses.
- The senior research and the directed study courses are the capstone courses are jointly directed by faculty members in Modern Languages and Economics.
- Students are prepared and encouraged to pursue internships and exchange programs abroad. To plan courses, study- or work-abroad, and your future career, please contact faculty advisors in the Modern Language Department or the Economics Department.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Modern Language & International Economics

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- THEO 111 - Theological Foundations
- MATH 150 - Elements of Calculus I
- • Modern Language 300+ (3)
- • History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- PHIL 100 - Ethics as Introduction to Philosophy
- STAT 210 - Statistics For Business I
- • Modern Language 300+ (3)
- • History II Elective (3)
- ECON 200 - Microeconomic Principles

Total (15)

Sophomore Year

First Semester

- ECON 201 - Macroeconomic Principles

- • INFO 301
- • Theo Scrip/Hist or Christ Sys Elective (3)
- • Modern Language 300+ (3)
- • Literature Elective (3)
- • Cultural Diversity Elective (1)

Total (16)

Second Semester

- STAT 211 - Statistics For Business II
- PHIL 290 - Theory of Knowledge
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Modern Language 300+ (3)
- • Theology Ethics or Rel/Cult Elective (3)

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- ECON 305 - Microeconomic Analysis
- • Fine Arts Elective (3)
- • Science Elective (3)
- • Modern Language 300+ (3)

Total (15)

Second Semester

- ECON 306 - Macroeconomic Analysis
- • Philosophy Elective (3)
- • Economics Elective (3)
- • Science Elective (3)
- • Modern Language 300+ (3)
- • Modern Language (directed study) (1)

Total (16)

Senior Year

First Semester

- ECON 450 - International Economics
- • Science Elective (3)
- • Modern Language 300+ (3)
- • General Electives (6)

Total (15)

Second Semester

- Economics Elective (3)
- General Electives (9)
- E/RS Focus Elective (3)
- Modern Language (senior thesis) (1)

Total (16)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Spanish, B.A.

The programs for majors in German, French, and Spanish offered by the Department of Modern Languages provide an opportunity for the development of proficiency in the spoken and written language, as well as a study of the literature and civilization in areas where the language is spoken.

Students are encouraged to combine a modern language major with a second major or a related minor.

Undergraduates who wish to be licensed as teachers of French, German, or Spanish are advised to consult with the department education coordinator and with the School of Education regarding specific requirements for language teacher licensure.

Requirements for the Spanish Major

Core Curriculum Requirements:

64 credit hours of [Undergraduate Core Curriculum](#) , including

Foreign Language:

- Complete intermediate level proficiency (202 level).

Major Requirements:

- Placement test to determine which lower division courses are required.
- Completion of 28 hours of upper division courses (300-499) taught in the foreign language.
- A 2.00 cumulative grade-point average must be attained in the major courses.

28 credit hours, as follows:

3 hours of language from either:

- SPAN 300 - Advanced Spanish I or
- SPAN 301 - Advanced Spanish II

3 hours of language from:

- SPAN 302-306 (Refer to [Course Descriptions](#)).

6 hours of language/culture from:

- SPAN 328 - Phonetics and Dialectology
- SPAN 370 - Introduction to Literary Analysis and Criticism

3 hours of culture from:

- SPAN 350-352 (Refer to [Course Descriptions](#)).

6 hours of literature from:

- SPAN 497 - Directed Study: Literature
- SPAN 400-450 (Refer to [Course Descriptions](#)).

6 hours of major electives selected from:

- SPAN 352-498, except SPAN 353. (Refer to [Course Descriptions](#)).

1 hour of senior project from:

- SPAN 499 - Senior Research Project

B.A. French/German/Spanish Suggested Schedule

This block serves as a guideline for progress toward a degree. See your academic advisor for specific guidance.

Freshman Year

First Semester

- • History I (3)

- FREN 201 - Intermediate French I or
- GERM 201 - Intermediate German I or
- SPAN 201 - Intermediate Spanish I

•

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

•

- Mathematics Elective (3)
- Fine Arts Elective (3)

TOTAL: (15)

Second Semester

- • History II (3)

- FREN 202 - Intermediate French II or
- GERM 202 - Intermediate German II or
- SPAN 202 - Intermediate Spanish II

•

- Science Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • Mathematics Elective (3)

TOTAL: (15)

Sophomore Year

First Semester

- • Social Science Elective (3)
- THEO 111 - Theological Foundations

- • Science Elective (3)

- FREN 300 - Advanced French I or
- GERM 300 - Advanced German I or
- SPAN 300 - Advanced Spanish I

-

- PHIL 290 - Theory of Knowledge
- • Cultural Diversity Elective (1)

TOTAL: (16)

Second Semester

- Social Science Elective (3)
- French, German, or Spanish Elective (3)
- THEO Scripture/History or Christian Sys. Elective (3)
- Science Elective (3)
- General Elective (3)

TOTAL: (15)

Junior Year

First Semester

- Literature Elective (3)
- Philosophy Elective (3)
- French, German, or Spanish Elective (6)
- THEO Ethics or Religion/Culture Elective (3)

TOTAL: (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination or
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

-

- French, German, or Spanish Elective (6)
- General Elective (3)
- E/RS Focus Elective (3)

TOTAL: (15)

Senior Year

First Semester

- French, German, or Spanish Electives (6)
- General Electives (9)

TOTAL: (15)

Second Semester

- • French, German, or Spanish Elective (3)
- General Electives (10)

- FREN 499 - Senior Research Project or
- GERM 499 - Senior Research Project or
- SPAN 499 - Senior Research Project

TOTAL: (14)

Note(s):

- Elementary French, German, and Spanish are available to students with no previous language study or those who place into these levels.
- Consult the [Undergraduate Core Curriculum](#) requirements of this catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree.

Associate of Arts

French, A.A.

The Department of Modern Languages offers an Associate of Arts degree in French, German, and Spanish.

French/German/Spanish A.A. Requirements

The Department of Modern Languages offers the Associate of Arts degree in French, German, or Spanish.

Requirements for the Associate of Arts in French, German, or Spanish

This Associate of Arts degree requires a minimum of 60 credit hours including 31 credit hours of Core Curriculum Requirements and a minimum of 15 credit hours of Concentration Requirements,

Core Curriculum Requirements: 31 hours

See [Undergraduate Core Curriculum](#) for details.

Concentration Requirements: 15 hours minimum from either French, German, or Spanish

- Up to twelve additional credit hours of lower division language courses may be required as determined by the placement test.
- All courses must be taught in the foreign language to count toward the concentration.
- A 2.00 cumulative grade-point average must be attained in all concentration courses.

French

6 hours of language/culture from:

- FREN 300-351 (Refer to [Course Descriptions](#)).

6 hours of literature from:

- FREN 420-462 (Refer to [Course Descriptions](#)).

3 hours of electives from:

- FREN 300-498 (Refer to [Course Descriptions](#)).

German

6 hours of language/culture from:

- GERM 300-351 (Refer to [Course Descriptions](#)).

6 hours of literature from:

GERM 410-470 (Refer to [Course Descriptions](#)).

3 hours of electives from:

- GERM 300-498 (Refer to [Course Descriptions](#)).

Spanish

6 hours of language from:

- SPAN 300 - Advanced Spanish I or
- SPAN 301 - Advanced Spanish II

- and

- SPAN 328 - Phonetics and Dialectology

3 hours of culture from:

- SPAN 350-352 (Refer to [Course Descriptions](#)).

6 hours of electives from:

- SPAN 302-498 (Refer to [Course Descriptions](#)).

TOTAL for A.A. DEGREE: 60 Credit Hours

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;

- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

German, A.A.

French/German/Spanish A.A. Requirements

The Department of Modern Languages offers the Associate of Arts degree in French, German, or Spanish.

Requirements for the Associate of Arts in French, German, or Spanish

This Associate of Arts degree requires a minimum of 60 credit hours including 31 credit hours of Core Curriculum Requirements and a minimum of 15 credit hours of Concentration Requirements,

Core Curriculum Requirements: 31 hours

See [Undergraduate Core Curriculum](#) for details.

Concentration Requirements: 15 hours minimum from either French, German, or Spanish

- Up to twelve additional credit hours of lower division language courses may be required as determined by the placement test.
- All courses must be taught in the foreign language to count toward the concentration.
- A 2.00 cumulative grade-point average must be attained in all concentration courses.

French

6 hours of language/culture from:

- FREN 300-351 (Refer to [Course Descriptions](#)).

6 hours of literature from:

- FREN 420-462 (Refer to [Course Descriptions](#)).

3 hours of electives from:

- FREN 300-498 (Refer to [Course Descriptions](#)).

German

6 hours of language/culture from:

- GERM 300-351 (Refer to [Course Descriptions](#)).

6 hours of literature from:

GERM 410-470 (Refer to [Course Descriptions](#)).

3 hours of electives from:

- GERM 300-498 (Refer to [Course Descriptions](#)).

Spanish

6 hours of language from:

- SPAN 300 - Advanced Spanish I or
- SPAN 301 - Advanced Spanish II

- and

- SPAN 328 - Phonetics and Dialectology

3 hours of culture from:

- SPAN 350-352 (Refer to [Course Descriptions](#)).

6 hours of electives from:

- SPAN 302-498 (Refer to [Course Descriptions](#)).

TOTAL for A.A. DEGREE: 60 Credit Hours

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Spanish, A.A.

The Department of Modern Languages offers an Associate of Arts degree in French, German, and Spanish.

French/German/Spanish A.A. Requirements

The Department of Modern Languages offers the Associate of Arts degree in French, German, or Spanish.

Requirments for the Associate of Arts in French, German, or Spanish

This Associate of Arts degree requires a minimum of 60 credit hours including 31 credit hours of Core Curriculum Requirements and a minimum of 15 credit hours of Concentration Requirements,

Core Curriculum Requirements: 31 hours

See [Undergraduate Core Curriculum](#) for details.

Concentration Requirements: 15 hours minimum from either French, German, or Spanish

- Up to twelve additional credit hours of lower division language courses may be required as determined by the placement test.
- All courses must be taught in the foreign language to count toward the concentration.
- A 2.00 cumulative grade-point average must be attained in all concentration courses.

French

6 hours of language/culture from:

- FREN 300-351 (Refer to [Course Descriptions](#)).

6 hours of literature from:

- FREN 420-462 (Refer to [Course Descriptions](#)).

3 hours of electives from:

- FREN 300-498 (Refer to [Course Descriptions](#)).

German

6 hours of language/culture from:

- GERM 300-351 (Refer to [Course Descriptions](#)).

6 hours of literature from:

GERM 410-470 (Refer to [Course Descriptions](#)).

3 hours of electives from:

- GERM 300-498 (Refer to [Course Descriptions](#)).

Spanish

6 hours of language from:

- SPAN 300 - Advanced Spanish I or
- SPAN 301 - Advanced Spanish II

- and

- SPAN 328 - Phonetics and Dialectology

3 hours of culture from:

- SPAN 350-352 (Refer to [Course Descriptions](#)).

6 hours of electives from:

- SPAN 302-498 (Refer to [Course Descriptions](#)).

TOTAL for A.A. DEGREE: 60 Credit Hours

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Minors

French Minor

15 total credit hours are required, as follows:

6 hours of language/culture from:

- FREN 300 - Advanced French I
- FREN 301 - Advanced French II
- FREN 302 - French Conversation
- FREN 303 - French Composition
- FREN 315 - Business French I
- FREN 330 - Methods Curriculum and Assessment In Foreign Languages
- FREN 350 - French Culture/Civilization I
- FREN 351 - French Culture/Civilization II

6 hours of literature from:

- FREN 420-462 (Refer to [Course Descriptions](#) .)

3 hours of electives from:

- FREN 300-498 (Refer to [Course Descriptions](#) .)

Note(s):

- All courses must be taught in French to count toward the minor.
- A 2.000 cumulative average must be attained in all these French courses.

German Minor

15 total credit hours are required, as follows:

6 hours of language/culture from:

- GERM 300-351 (Refer to [Course Descriptions](#) .)

6 hours of literature from:

- GERM 410-470 (Refer to [Course Descriptions](#) .)

3 hours of electives from:

- GERM 300-498 (Refer to [Course Descriptions](#) .)

Note(s):

- All courses must be taught in German to count toward the minor.
- A 2.000 cumulative average must be attained in all these German courses.

Latin American Studies Minor

The Latin American Studies Minor is an interdisciplinary program housed in the department of modern languages. It is available to all Xavier undergraduates and enhances any major. It is designed to help students achieve an advanced level of ability in the Spanish language and cultural competency in Latin America. Many employers look for evidence that candidates for employment are prepared to deal with the realities of a global society.

18 total credit hours are required, as follows

3 hours of the entry core course taught in English from:

- SPAN 353 - Introduction to Latin American Studies

3 hours of language development selected from:

- SPAN 300 - Advanced Spanish I
- SPAN 301 - Advanced Spanish II
- SPAN 302 - Spanish Conversation
- SPAN 303 - Spanish Composition
- SPAN 304 - Spanish Vocabulary in Context
- SPAN 305 - Readings in Spanish
- SPAN 325 - History of the Spanish Language
- SPAN 326 - Spanish Language for Teachers
- SPAN 328 - Phonetics and Dialectology
- SPAN 351 - Latin-American Civilization I

3 hours of Latin American literature selected from:

- SPAN 427 - Spanish-American Literature & Civilization I
- SPAN 428 - Spanish-American Literature & Civilization II
- SPAN 429 - Spanish-American Literature & Civilization III

• or

- SPAN 440 - Hispanic Poetry
- SPAN 444 - 19th Century Spanish-American Literature
- SPAN 445 - 20th Century Spanish-American Literature
- SPAN 446

3 hours of Latin American history or political science selected from:

- HIST 151 - Latin American History I
- HIST 152 - Latin American History II
- HIST 327
- HIST 340 - History of Mexico
- HIST 341
- HIST 342
- HIST 343
- HIST 344

• or

- An approved POLI course

3 hours of an approved Theology course.

3 hours of an approved elective from above listed courses or as approved by program director.

Note(s):

- A 2.000 cumulative average must be attained in all these courses.

Spanish Minor

15 total credit hours are required, as follows:

6 hours of language from:

- SPAN 300 - Advanced Spanish I or
- SPAN 301 - Advanced Spanish II and
- SPAN 328 - Phonetics and Dialectology

3 hours of culture from:

- SPAN 350 - Spanish Civilization
- SPAN 351 - Latin-American Civilization I
- SPAN 352 - Latin American Civilization II

6 hours of electives from:

- SPAN 302-498 (Refer to [Course Descriptions](#)) (except SPAN 353)

Note(s):

- All courses must be taught in Spanish to count toward the minor.
- A 2.000 cumulative average must be attained in all these Spanish courses.

Music

The Department of Music offers two degree programs, the Bachelor of Arts in Music and the Bachelor of Science in Music Education offered in conjunction with the Department of Education, and two minors, the Music Minor and the Jazz Minor.

The department also offers a broad, general exposure to the field of music through a variety of courses for students as they pursue a liberal arts education. In addition, opportunity for instruction in an applied instrument/voice is available upon departmental approval, as is the opportunity for participation in vocal and instrumental ensembles.

Bachelor of Arts

Music, B.A.

Requirements for the Music Major

Core Curriculum Requirements:

64 credit hours, including

Major Requirements:

54 credit hours, as follows

37 hours from:

- MUSC 200 - Theory I
- MUSC 201 - Sightsinging & Dictation I
- MUSC 202 - Theory II
- MUSC 203 - Sightsinging & Dictation II
- MUSC 210 - Music History & Literature I
- MUSC 211 - Music History & Literature II
- MUSC 300 - Theory III
- MUSC 301 - Sightsinging & Dictation III
- MUSC 302 - Theory IV
- MUSC 303 - Sightsinging & Dictation IV
- MUSC 304 - Producing Electronic Music I
- MUSC 310 - Music History & Literature III
- MUSC 400 - Form and Analysis
- MUSC 401 - Orchestration Arranging
- MUSC 420 - Conducting I

8 hours of applied music from Private Lessons in:

- MUSC 278-299 (Refer to [Course Descriptions](#) .)

8 hours (semesters) of participation in a vocal ensemble:

- MUSC 259-261 (Refer to [Course Descriptions](#)) and/or an instrumental ensemble [MUSC 265](#) or [MUSC 270](#)

1 hour of small ensemble from:

- MUSC 263 - Edgecliff Vocal Ensemble
- • MUSC 264
- MUSC 267 - Percussion Ensemble
- MUSC 268 - Guitar Ensemble
- MUSC 269 - Chamber Music Ensemble
- MUSC 271 - Jazz Ensemble
- • MUSC 273
- MUSC 277 - Piano Ensemble
- MUSC 340 - Music Production Workshop

Additional Requirements:

- Pass applied music examination at the end of each semester.
- Pass eight jury exams.
- Pass a piano proficiency examination before the senior year.
- Present a recital or write a thesis in major area of concentration during the senior year.
- Recital attendance (minimum of 40 recitals).

Note(s):

- A 2.000 cumulative average must be attained in these music courses.
- Students are admitted to the degree programs based upon their musicality and musical literacy rather than on performance accomplishments. Musical background and proficiency in an applied instrument/voice will determine placement within the department.
- For a copy of Policies and Guidelines, contact the Department of Music Office.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Music

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MUSC 200 - Theory I
- MUSC 201 - Sightsinging & Dictation I
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Mathematics Elective (3)
- • Foreign Language Elective (3)

Total (15)

Second Semester

- MUSC 202 - Theory II
- MUSC 203 - Sightsinging & Dictation II
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- • Literature Elective (3)
- THEO 111 - Theological Foundations
- • Foreign Language Elective (3)
- • Mathematics Elective (3)

Total (18)

Sophomore Year

First Semester

- MUSC 210 - Music History & Literature I
- MUSC 300 - Theory III
- MUSC 301 - Sightsinging & Dictation III
- • Applied Music (Private lessons) (1)

- • Large Ensemble (1)
- • History I Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • Cultural Diversity Elective (1)

Total (16)

Second Semester

- MUSC 211 - Music History & Literature II
- MUSC 302 - Theory IV
- MUSC 303 - Sightsinging & Dictation IV
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- • History II Elective (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)

Total (15)

Junior Year

First Semester

- MUSC 420 - Conducting I
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- MUSC 310 - Music History & Literature III
- • Science Elective (3)
- PHIL 290 - Theory of Knowledge
- • Social Science Elective (3)

Total (17)

Second Semester

- MUSC 400 - Form and Analysis
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- MUSC 304 - Producing Electronic Music I
- • Science Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)

Total (14)

Senior Year

First Semester

- • Small Ensemble (1)
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- • General Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- MUSC 401 - Orchestration Arranging
- • Science Elective (3)

Total (15)

Second Semester

- Music or General Elective (2-3)
- Applied Music (Private lessons) (1)
- Large Ensemble (1)
- E/RS Focus Elective (3)
- Social Science Elective (3)
- Philosophy Elective (3)
- Senior Recital / Thesis (0)

Total (13-14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Bachelor of Science

Music Education, B.S.

Requirements for the Music Education Major (Pre-K to 12)

Core Curriculum Requirements:

64 credit hours, including

Fine arts requirement:

- Included within the major.

Social sciences:

- EDSP 200 - Special Education: Identification & Issues
- EDFD 110 - Human Development & Learning

Major Requirements:

90 credit hours, as follows

46 hours in music courses from:

- MUSC 200 - Theory I
- MUSC 201 - Sightsinging & Dictation I
- MUSC 202 - Theory II
- MUSC 203 - Sightsinging & Dictation II
- MUSC 210 - Music History & Literature I
- MUSC 211 - Music History & Literature II
- MUSC 221 - Music Methods for Early & Middle Childhood
- MUSC 300 - Theory III
- MUSC 301 - Sightsinging & Dictation III
- MUSC 302 - Theory IV
- MUSC 303 - Sightsinging & Dictation IV
- MUSC 304 - Producing Electronic Music I
- MUSC 320 - Methods for Adolescents & Young Adults I
- MUSC 321 - Methods for Adolescents & Young Adults II
- MUSC 350 - Functional Piano
- MUSC 351 - String Techniques
- MUSC 352 - Woodwind Techniques
- MUSC 353 - Brass Techniques
- MUSC 354 - Percussion Techniques
- MUSC 401 - Orchestration Arranging
- MUSC 420 - Conducting I

1 hour from a choice of either:

- MUSC 151 - Class Voice
- MUSC 152 - Class Guitar
- MUSC 268 - Guitar Ensemble

7 hours of applied music from Private Lessons in:

- MUSC 278-299 (Refer to [Course Descriptions](#) .)

7 hours (semesters) of participation in a vocal ensemble:

- MUSC 259-261 (Refer to [Course Descriptions](#)) and/or an instrumental ensemble [MUSC 265](#) or [MUSC 270](#)

1 hour of small ensemble from:

- MUSC 263 - Edgecliff Vocal Ensemble
- • MUSC 264
- MUSC 267 - Percussion Ensemble
- MUSC 268 - Guitar Ensemble
- MUSC 269 - Chamber Music Ensemble
- MUSC 271 - Jazz Ensemble
- • MUSC 273
- MUSC 277 - Piano Ensemble
- MUSC 340 - Music Production Workshop

19 hours of education courses required from:

- EDFD 110 - Human Development & Learning
- EDSP 200 - Special Education: Identification & Issues
- EDMS 131 - Professional Education
- EDRE 471 - Content Area Literacy
- EDMS 350 - Technology & Topics for Education
- EDSP 380 - Classroom Management
- EDMS 411 - Clinical Experiences: Secondary

9 hours of student teaching and seminar for certification from:

- EDMS 471 - Student Teaching: Multi-Age

Additional Requirements:

- Pass applied music examination at the end of each semester.
- Pass seven jury exams.
- Pass a piano proficiency examination before the senior year.
- Present a recital or write a thesis in major area of concentration during the senior year.
- Recital attendance (minimum of 40 recitals).

Note(s):

- A 2.000 cumulative average must be attained in the music and education courses.
- Students are admitted to the degree programs based upon their musicality and musical literacy rather than on performance accomplishments. Musical background and proficiency in an applied instrument/voice will determine placement within the department.
- For a copy of Policies and Guidelines, contact the Department of Music.

B.S. Music Education

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MUSC 200 - Theory I
- MUSC 201 - Sightsinging & Dictation I
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Foreign Language Elective (3)
- • Mathematics Elective (3)
- EDMS 131 - Professional Education

Total (18)

Second Semester

- MUSC 202 - Theory II
- MUSC 203 - Sightsinging & Dictation II
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- THEO 111 - Theological Foundations
- • Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- EDFD 110 - Human Development & Learning

Total (18)

Summer

- Mathematics elective (3)

Sophomore Year

First Semester

- MUSC 210 - Music History & Literature I
- MUSC 300 - Theory III
- MUSC 301 - Sightsinging & Dictation III
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- EDSP 200 - Special Education: Identification & Issues
- • Theo Scrip/Hist or Christ Sys Elective * (3)
- • Literature Elective (3)

Total (18)

Second Semester

- MUSC 211 - Music History & Literature II
- MUSC 302 - Theory IV
- MUSC 303 - Sightsinging & Dictation IV
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- PHIL 290 - Theory of Knowledge
- • Theology Ethics or Rel/Cult Elective * (3)
- MUSC 221 - Music Methods for Early & Middle Childhood
- • Cultural Diversity Elective (1)

Total (19)

Summer

- Science Elective (3)

Junior Year

First Semester

- MUSC 151 - Class Voice
- MUSC 152 - Class Guitar or
- MUSC 268 - Guitar Ensemble
- MUSC 420 - Conducting I
- MUSC 350 - Functional Piano
- MUSC 351 - String Techniques
- MUSC 320 - Methods for Adolescents & Young Adults I
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- EDRE 471 - Content Area Literacy
- • History I Elective (3)

Total (18)

Second Semester

- MUSC 304 - Producing Electronic Music I
- MUSC 352 - Woodwind Techniques
- MUSC 321 - Methods for Adolescents & Young Adults II
- MUSC 353 - Brass Techniques
- • Philosophy Elective * (3)
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- • EDSM 350

- • History II Elective (3)

Total (19)

Summer

- Science Elective (3)

Senior Year

First Semester

- MUSC 401 - Orchestration Arranging
- MUSC 354 - Percussion Techniques
- • Applied Music (Private lessons) (1)
- • Large Ensemble (1)
- • Small Ensemble (1)
- EDMS 411 - Clinical Experiences: Secondary
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Science Elective (3)
- • Senior Recital (0)

Total (14)

Second Semester

- • EDSM 471
- EDSP 380 - Classroom Management

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- * indicates a course that should be considered for the E/RS Focus Elective selection.
- EDSM 471, Student Teaching and Seminar (9 credit hours) is required for state licensure.
- A minimum of 145 credit hours is required for the degree

Minors

Jazz Minor

18 total credit hours are required, as follows:

12 hours of music courses:

- MUSC 101 - Basic Jazz Preparation
- MUSC 114 - Jazz: American Creative Music
- MUSC 206 - Techniques of Jazz Improvisation
- MUSC 298 - Private Lesson: Jazz Guitar/Voice/Other
- MUSC 306 - Techniques of Jazz Writing & Arranging
- MUSC 307 - Jazz Improvisation Workshop

3 hours in jazz ensemble from:

- MUSC 271 - Jazz Ensemble

3 hours in applied music from:

- MUSC 278-299 (Refer to [Course Descriptions](#) .)

Note(s):

- Attendance at a minimum of 20 recitals.
- A 2.000 cumulative average must be attained in these courses.

Music Minor

18 total credit hours are required, as follows:

12 hours of music courses from:

- MUSC 200 - Theory I
- MUSC 202 - Theory II
- MUSC 210 - Music History & Literature I
- MUSC 211 - Music History & Literature II

3 hours in an ensemble from:

- MUSC 259-277 (Refer to [Course Descriptions](#) .)

3 hours in applied music from:

- MUSC 278-299 (Refer to [Course Descriptions](#) .)

Note(s):

- Attendance at a minimum of 20 recitals.
- A 2.000 cumulative average must be attained in these courses.

Natural Sciences

Bachelor of Science

Natural Sciences, B.S.

(Preparation for health professions, like medicine and dentistry)

The natural sciences curriculum presents a liberal arts program with emphasis on those sciences required for an excellent background for subsequent studies in medicine, dentistry, and similar health professions. Recurrent pronouncements by Committees on Admissions at professional schools leave no doubt that they regard an education in the liberal arts as one of the most important factors in forming a genuinely capable and effective health professional, but majoring in natural sciences is not a requirement for admission to a health profession. (See Certificate in Pre-Medical Studies.) The student should consult a current listing of professional school admission requirements* so that the selected course of study will assure the student of a degree and include all the minimum requirements for admission to those schools of medicine or dentistry to which he/she intends to apply.

* "Medical School Admission Requirements," published by the Association of American Medical Colleges, or "Admission Requirements of U.S. and Canadian Dental Schools," published by the American Association of Dental Schools.

Requirements for the Natural Sciences Major

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 150 - Elements of Calculus I and
- MATH 156 - General Statistics
- MATH 170 - Calculus I and
- • [MATH 156 - General Statistics](#) (3)
- • [MATH 170 - Calculus I](#) and (3)
- MATH 171 - Calculus II

Social sciences:

- PSYC 101 - General Psychology

Science:

- Requirement included within the major.

Major Requirements:

58 credit hours, as follows

50 hours in specific science courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- BIOL 230 - Genetics
- BIOL 231 - Genetics Laboratory
- BIOL 354 - Vertebrate Anatomy
- BIOL 355 - Vertebrate Anatomy Lab
- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 220 - Principles of Physical Chemistry
- CHEM 221 - Analytical Chemistry
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

8 additional hours in biology or 8 hours in chemistry:

- To include two hours of research along with the additional hours in BIOL or CHEM electives. (See academic advisor for specific course selection.)

Note(s):

- A 2.000 cumulative average must be attained in all biology, chemistry and physics courses.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Natural Sciences

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- MATH 150 - Elements of Calculus I or
- MATH 170 - Calculus I
- THEO 111 - Theological Foundations

Total (14/15)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- MATH 156 - General Statistics or
- MATH 171 - Calculus II
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or

- SPAN 205 - Hispanic Literature & Moral Imagination
- Cultural Diversity Elective (1)

Total (15/16)

Junior Year

First Semester

- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- CHEM 220 - Principles of Physical Chemistry
- CHEM 221 - Analytical Chemistry
- History I Elective (3)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Literature Elective (3)

Total (17)

Second Semester

- BIOL 230 - Genetics
- BIOL 231 - Genetics Laboratory
- BIOL 354 - Vertebrate Anatomy
- BIOL 355 - Vertebrate Anatomy Lab
- PHIL 290 - Theory of Knowledge
- History II Elective (3)

Total (14)

Senior Year

First Semester

- BIOL 498 - Methods of Biological Research I or
- CHEM 400 - Research/Seminar
- Biology or Chemistry Elective * (4)
- Theology Ethics or Rel/Cult Elective (3)
- Philosophy Elective (3)
- PSYC 101 - General Psychology

Total (14)

Second Semester

- BIOL 499 - Methods of Biological Research II or
- CHEM 400 - Research/Seminar
- • Biology or Chemistry Elective * (2)
- • Social Science Elective (3)
- • E/R&S Focus Elective (3)
- • General Elective (3)
- • Fine Arts Elective (3)

Total (15)

Note(s):

* Student selects a senior year concentration of courses plus research in either biology or chemistry. Courses vary from year to year, so contact your academic advisor for current selections. Students concentrating in chemistry should add Chemical Literature ([CHEM 300](#)) for one hour, to the junior year schedule.

Scheduling Notes:

- Consult the " [Undergraduate Core Curriculum](#) " requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Certificate

Natural Sciences (Pre-Medical Studies) Certificate

This certificate program is designed for people who already have a bachelor's degree and who want to prepare for admission to medical school. Medical schools generally expect their applicants to a bachelor's degree along with the four years of science courses required for this certificate.

They are:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab

Note(s):

A student is eligible for a certificate if at least one half (17 credit hours) of the courses are completed at Xavier University with a minimum grade point average of 3.000. Interested students should consult with the chair of the Health Sciences Committee or the Coordinator of Pre-Professional Health Advising.

Minors

Natural Sciences (Pre-Medical) Minor

The Natural Sciences minor is designed for undergraduate students who wish to complete science courses generally required of applicants to medical school while completing a bachelor's degree in a non-science major.

34 total credit hours are required, as follows

10 hours of biology from:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab

16 hours of chemistry from:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab

8 hours of physics from:

- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

- (or 170 series)

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Philosophy

The Department of Philosophy offers the Bachelor of Arts degree and a minor in Philosophy.

Bachelor of Arts

Philosophy, B.A.

The major in Philosophy is the appropriate course of study for a person intending to pursue graduate study in philosophy, and is an excellent preparation for entry into professional schools, law school and for graduate study in the humanities or social sciences.

Requirements for the Philosophy Major

Core Curriculum Requirements:

64 credit hours, including

Philosophy requirement:

- Included within the major.

Major Requirements:

36 credit hours, as follows

12 hours beyond the introductory course (PHIL 100):

- PHIL 290 - Theory of Knowledge
- PHIL 311 - Symbolic Logic
- PHIL 340 - Metaphysics *
- PHIL 399 - Thesis Review

12 hours from "history of philosophy" electives:

Typically

- PHIL 300-309 (Refer to [Course Descriptions](#) .)
- PHIL 362-364 (Refer to [Course Descriptions](#) .)
- And other courses are acceptable if approved by the chair

12 hours of major electives chosen from:

- PHIL 300 and higher (Refer to [Course Descriptions](#) .)

Additional Requirements:

- At least one course from the 24 hours of history and free electives must be in a seminar, which may be restricted to students majoring or minoring in Philosophy.
- Senior Thesis, due by midterm, second semester of senior year.
- Oral examination on thesis, held at end of senior year.
- Written comprehensive examination at end of senior year. Written information on the thesis, oral examination and comprehensive examination may be obtained from the chair of the department.

Note(s):

- A 2.000 cumulative average must be attained in these philosophy courses.
- * Another course can be designated

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B. A. Philosophy

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- • History I Elective (3)
- • Foreign Language Elective (3)
- • Science Elective (3)
- THEO 111 - Theological Foundations
- • Social Science Elective (3)

Total (15)

Second Semester

- • History II Elective (3)
- • Foreign Language Elective (3)
- • Science Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Sophomore Year

First Semester

- • Mathematics Elective (3)
- • Fine Arts Elective (3)
- PHIL 290 - Theory of Knowledge

- • Theo Scrip/Hist or Christ Sys Elective (3)
- • Literature Elective (3)
- • Cultural Diversity Elective (1)

Total (16)

Second Semester

- • Mathematics Elective (3)
- • Science Elective (3)
- PHIL 340 - Metaphysics
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • General Elective (3)

Total (15)

Junior Year

First Semester

- PHIL 300 - Origins of Philosophy or
- PHIL 301 - Ancient Philosophy
- PHIL 302 - Medieval Christian Philosophy or
- PHIL 309 - Medieval Islamic & Jewish Philosophy
- • General Elective (6)
- • Philosophy Elective (3)

Total (15)

Second Semester

- PHIL 311 - Symbolic Logic
- PHIL 304 - Early Modern Philosophy or
- PHIL 308 - Late Modern Philosophy
- • Social Science Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- • General Elective (3)

Total (15)

Senior Year

First Semester

- PHIL 306 - 20th Century Continental Philosophy or
- PHIL 307 - 20th Century Analytic Philosophy
- • Philosophy Seminar (3)
- • General Elective (5)
- • E/RS Focus Elective (3)

Total (14)

Second Semester

- • General Electives (6)
- PHIL 399 - Thesis Review
- • Philosophy Electives (6)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Minors

Philosophy Minor

18 total credit hours are required, as follows:

6 hours of philosophy courses from:

- PHIL 290 - Theory of Knowledge
- PHIL 340 - Metaphysics

3 hours of a "history of philosophy" elective selected from:

- PHIL 300-309 (Refer to [Course Descriptions](#) .)
- PHIL 354 - Philosophy in America
- PHIL 362 - Ancient Political Philosophy
- PHIL 363 - Medieval Political Philosophy
- PHIL 364 - Modern Political Philosophy

- (or otherwise, as approved by the chair)

6 hours of two philosophy electives selected from:

- PHIL 300 and higher (Refer to [Course Descriptions](#) .)

3 hours of a philosophy seminar course section from:

- PHIL 300-398 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Physics

The Department of Physics offers two degrees: the Bachelor of Science in Physics and the Bachelor of Science in Applied Physics, as well as a minor in Physics. Also, the Bachelor of Science in Teaching Life Sciences and Physics is offered in cooperation with the Department of Education.

Bachelor of Science

Applied Physics, B.S., Option A: Engineering Physics Four Year Program At Xavier

Bachelor of Science Degree in Applied Physics

The Applied Physics major has three program options: Engineering Physics, Natural Sciences, and Alternate Concentration. These options are designed to provide a broad education in the physical sciences, mathematics, and liberal arts, along with specialized training for students interested in engineering, medical school, health sciences, education, business, social sciences, or the humanities.

Engineering Physics at Xavier

Students who choose the Engineering Physics option may decide to stay at Xavier for their fourth year. They must complete the Xavier Core Curriculum and take 12 hours of program electives beyond the physics requirements listed above. The choice of program electives will depend upon the interests of the student. They must also take [PHYS 395](#) , Physics Research and, [PHYS 398](#) , Physics Thesis. Typically, courses are taken in biology, chemistry, computer science, and/or mathematics, but may be taken in other disciplines as well. Specific programs are designed in consultation with the chair.

B.S. Applied Physics

Option A: Engineering Physics

Four Year Program at Xavier

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- MATH 170 - Calculus I
- PHIL 100 - Ethics as Introduction to Philosophy
- • Foreign Language Elective (3)

Total (14)

Second Semester

- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- MATH 171 - Calculus II
- • Computer Science Elective (3)
- • Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (17)

Sophomore Year

First Semester

- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- MATH 220 - Calculus III
- THEO 111 - Theological Foundations
- • History Elective I (3)

Total (18)

Second Semester

- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- MATH 230 - Differential Equations
- PHIL 290 - Theory of Knowledge
- • Fine Arts Elective (3)
- • Cultural Diversity Elective (1)
- • History II Elective (3)

Total (17)

Junior Year

First Semester

- PHYS 350 - Theoretical Mechanics I
- PHYS 360 - Electromagnetism I
- PHYS 355 - Advanced Physics Lab
- • Mathematics Elective (3)
- • CHEM/BIOLE Lecture + Lab (4/5)

Total (15/16)

Second Semester

- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- • Literature Elective (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)
- • Program Electives (6)

Total (16)

Senior Year

First Semester

- PHYS 395 - Physics Research
- • Philosophy Elective (3)
- • Social Science Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Program Elective (3)

Total (13)

Second Semester

- PHYS 398 - Physics Thesis
- • Theology Ethics or Rel/Cult Elective (3)
- • Social Science Elective (3)
- • E/RS Focus Elective (3)
- • Program Elective (3)

Total (13)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

Applied Physics, B.S., Option A: Engineering Physics Xavier University - University Of Cincinnati Cooperative Science - Engineering Program

Bachelor of Science Degree in Applied Physics

The Applied Physics major has three program options: Engineering Physics, Natural Sciences, and Alternate Concentration. These options are designed to provide a broad education in the physical sciences, mathematics, and liberal arts, along with specialized training for students interested in engineering, medical school, health sciences, education, business, social sciences, or the humanities.

Requirements for the Applied Physics Major

Option A: Engineering Physics

The Engineering Physics option combines a strong liberal arts core with courses in physics, mathematics, and engineering. Students may take engineering courses at the University of Cincinnati in Aerospace, Civil and Environmental, Electrical and Computer, Mechanical, Industrial, and Nuclear Engineering. In this program, the student matriculates at Xavier for the first three years and in one of the engineering departments at the University of Cincinnati for the fourth year. This program is designed for students who wish to continue their education in some field of engineering.

The cooperative program ultimately can lead to a master's degree in engineering.

Core Curriculum Requirements:

- • Cultural Diversity Elective (1)
- • English Composition/Rhetoric (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- PHIL 290 - Theory of Knowledge
- THEO 111 - Theological Foundations
- • Theology Elective (3)
- • Foreign Language Elective (6)
- • Ethics/Religion & Society Focus elective (3) (which may also fulfill one of the core curriculum requirements above)
- • History Elective (6)
- • Fine Arts Elective (3)
- • Liberal Arts Elective * (9)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- MATH 170 - Calculus I
- MATH 171 - Calculus II

Note(s):

* May be taken at the University of Cincinnati.

Major Requirements:

Years one to three:

32 hours of physics courses:

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- PHYS 350 - Theoretical Mechanics I
- PHYS 355 - Advanced Physics Lab
- PHYS 360 - Electromagnetism I
- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab

21 hours of additional science and mathematics courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- MATH 220 - Calculus III
- MATH 230 - Differential Equations
- • Mathematics elective (210 or above)
- • CSCI elective

Note(s):

- A 2.000 cumulative average must be attained in the courses within the major.

Year four:

23 semester hours of engineering courses at the University of Cincinnati.

This work is arranged in cooperation with the student, Xavier University, and the University of Cincinnati.

Note(s):

The BS in Applied Physics will be awarded by Xavier upon successful completion of this program.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Applied Physics

Option A: Engineering Physics

Xavier University - University of Cincinnati Cooperative Science - Engineering Program

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- MATH 170 - Calculus I
- PHIL 100 - Ethics as Introduction to Philosophy
- • Foreign Language Elective (3)

Total (14)

Second Semester

- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- MATH 171 - Calculus II
- • Computer Science Elective (3)
- • Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (17)

Sophomore Year

First Semester

- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- MATH 220 - Calculus III
- THEO 111 - Theological Foundations
- • History Elective I (3)

Total (18)

Second Semester

- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- MATH 230 - Differential Equations
- PHIL 290 - Theory of Knowledge
- • Fine Arts Elective (3)
- • Cultural Diversity Elective (1)
- • History Elective II (3)

Total (17)

Junior Year

First Semester

- PHYS 350 - Theoretical Mechanics I
- PHYS 360 - Electromagnetism I
- PHYS 355 - Advanced Physics Lab
- • Mathematics Elective (3)
- • CHEM/BIOL Lecture + Lab (4-5)

Total (15-16)

Second Semester

- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Theo Scrip/Hist or Christ Sys Elective (3)
- • Program Electives (6)
- • Total (16)

Total (16)

Senior Year

A Bachelor of Science (Applied Physics) will be awarded upon the completion of an additional nine semester hours of liberal arts courses and 23 semester hours of engineering courses taken at the University of Cincinnati. A senior year "block schedule" at the University of Cincinnati depends on the individual student's choice of engineering field.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Applied Physics, B.S., Option B: Natural Sciences

Bachelor of Science Degree in Applied Physics

The Applied Physics major has three program options: Engineering Physics, Natural Sciences, and Alternate Concentration. These options are designed to provide a broad education in the physical sciences, mathematics, and liberal arts, along with specialized training for students interested in engineering, medical school, health sciences, education, business, social sciences, or the humanities.

Option B: Natural Sciences

The Natural Sciences option offers an alternative to the Natural Sciences major that allows students to study physics while preparing for medical school. This program may also be of interest to students who wish to pursue careers in biophysics, medical physics, radiological physics, and other health physics programs. The

Natural Sciences program combines courses in physics, mathematics, and computer science with the chemistry and biology courses needed to fulfill the requirements for the Natural Sciences minor.

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Science:

- Requirement included with the major.

Social Sciences:

- PSYC 101 - General Psychology and
- Elective (3)

Major requirements:

68 credit hours, as follows

32 hours from:

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- PHYS 350 - Theoretical Mechanics I
- PHYS 360 - Electromagnetism I
- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- PHYS 395 - Physics Research
- PHYS 398 - Physics Thesis

10 hours of mathematics and computer science from:

- MATH 220 - Calculus III
- MATH 230 - Differential Equations
- CSCI Elective

16 hours of chemistry courses from:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab

10 hours of biology courses from:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab

Note(s):

- A 2.000 cumulative average must be attained in courses within the major.

B.S. Applied Physics

Option B: Natural Sciences

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- MATH 170 - Calculus I
- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- THEO 111 - Theological Foundations

Total (16)

Second Semester

- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- MATH 171 - Calculus II
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (16)

Sophomore Year

First Semester

- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- MATH 220 - Calculus III
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- • Foreign Language Elective (3)
- • Computer Science Elective (3)

Total (18)

Second Semester

- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- MATH 230 - Differential Equations
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- • Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (17)

Junior Year

First Semester

- PHYS 242 - Electronics I

- PHYS 243 - Electronics I Lab
- PHYS 350 - Theoretical Mechanics I
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- • Fine Arts Elective (3)
- • Cultural Diversity Elective (1)

Total (15)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- • Literature Elective (3)
- PHIL 290 - Theory of Knowledge
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • The Scrip/Hist or Christ Sys Elective (3)

Total (16)

Senior Year

First Semester

- PHYS 360 - Electromagnetism I
- PHYS 395 - Physics Research
- PSYC 101 - General Psychology
- • History Elective I (3)
- • Philosophy Elective (3)

Total (13)

Second Semester

- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- PHYS 398 - Physics Thesis
- • History Elective II (3)
- • Theology Ethics or Rel/Cult Elective (3)
- • Social Science Elective (3)
- • E/RS Focus Elective (3)

Total (17)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" description of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 129 credit hours is typical to meet degree requirements, with 120 credit hours as the absolute minimum.

Applied Physics, B.S., Option C: Alternate Concentration

Bachelor of Science Degree in Applied Physics

The Applied Physics major has three program options: Engineering Physics, Natural Sciences, and Alternate Concentration. These options are designed to provide a broad education in the physical sciences, mathematics, and liberal arts, along with specialized training for students interested in engineering, medical school, health sciences, education, business, social sciences, or the humanities.

Option C: Alternate Concentration

The Alternate Concentration option provides maximum flexibility to students who are interested in pursuing interdisciplinary programs. This program combines the study of physics with a concentrated study in another area or discipline. Concentrations must include at least 18 hours in one chosen area, which allows for all University minors to be included. Areas of concentration may be chosen from the sciences, mathematics, the humanities, the social sciences, business, and education.

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Science:

- Requirement included within the major.

Major Requirements:

34 hours of physics courses from:

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I

- PHYS 331 - Modern Physics Lab I
- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- PHYS 350 - Theoretical Mechanics I
- PHYS 355 - Advanced Physics Lab
- PHYS 360 - Electromagnetism I
- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- PHYS 395 - Physics Research
- PHYS 398 - Physics Thesis

10 hours of additional mathematics and computer science:

- MATH 220 - Calculus III
- MATH 230 - Differential Equations
- • CSCI Elective

24 hours in an alternate concentration:

- At least 18 hours in one area

If the concentration is not a science area, then 3 hours of a second science can be included to complete the core.

Note(s):

- A 2.000 cumulative average must be attained in courses within the major.

B.S. Applied Physics

Option C: Alternate Concentration

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- MATH 170 - Calculus I
- PHIL 100 - Ethics as Introduction to Philosophy
- • Foreign Language Elective (3)

Total (14)

Second Semester

- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- MATH 171 - Calculus II
- • Computer Science Elective (3)
- • Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (17)

Sophomore Year

First Semester

- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- MATH 220 - Calculus III
- THEO 111 - Theological Foundations
- • History Elective I (3)

Total (18)

Second Semester

- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- MATH 230 - Differential Equations
- PHIL 290 - Theory of Knowledge
- • Fine Arts Elective (3)
- • Cultural Diversity Elective (1)
- • History Elective II (3)

Total (17)

Junior Year

First Semester

- PHYS 350 - Theoretical Mechanics I
- PHYS 360 - Electromagnetism I
- PHYS 355 - Advanced Physics Lab
- • Program Electives * (6)

Total (14)

Second Semester

- Literature Elective (3)
- Theo Scrip/Hist or Christ Sys Elective (3)
- Program Electives * (6)
- Social Science Elective (3)

Total (15)

Senior Year

First Semester

- PHYS 395 - Physics Research
- • Philosophy Elective (3)
- • Social Science Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Program Electives* (6)

Total (16)

Second Semester

- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- PHYS 398 - Physics Thesis
- • Program Elective * (6)
- • Theology Ethics or Rel/Cult Elective (3)
- • E/RS Focus Elective (3)

Total (17)

Scheduling Notes:

* Program electives will depend on the student's choice of concentration. Specific block schedules are determined in consultation with the chair. If the concentration is in a non-science area, then three credit hours in a second science should be taken in place of the program elective.

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- Typically 128 credit hours are needed to meet degree requirements, with 120 hours as the minimum.

Physics, B.S.

From the tiniest bits of matter to the enormity of the universe, there exists a structure that is based on a surprisingly small number of far-reaching fundamental principles. It is the goal of physics to discover these fundamental principles, often called the "Laws of Nature," and to describe all natural phenomena in terms of these principles. The study of physics should be of particular interest to those who are awed by the mysteries of nature and who wish to share in the unraveling of these mysteries. Small classes, seminars, individual discussion, and student-faculty research are an integral part of the study program. The physics faculty believes that the best teaching can be done only when there is a direct individual relationship between a student and a good teacher-- a situation in which there is close faculty-student interaction for discussing, thinking and exploring.

The department emphasizes hands on experience through modern laboratory and research facilities. These facilities include biophysics, superconductivity, visible, x-ray, and gamma ray spectroscopy, scanning probe microscopy, analog and digital electronics, optics, quantum optics, holography, and astronomy. Numerous funded projects are available to physics students.

The program in physics is designed to familiarize students with the techniques of mathematical and experimental physics that would be useful to them in an industrial research or engineering position; in physics teaching; as a general preparation for more advanced graduate work in any of the varied fields of physics; or in such disciplines as astronomy, space science, biophysics, computer science, engineering, geophysics, medicine, law, and oceanography.

Requirements for the Physics Major

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Sciences requirement:

- Included within the major.

Major Requirements:

46 credit hours, as follows

43 hours of physics courses:

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- PHYS 172 - University Physics II

- PHYS 173 - Explorations in Physics II
- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- PHYS 350 - Theoretical Mechanics I
- PHYS 355 - Advanced Physics Lab
- PHYS 360 - Electromagnetism I
- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- PHYS 376 - Quantum Mechanics I
- PHYS 377 - Quantum Mechanics II
- PHYS 382 - Thermodynamics
- PHYS 395 - Physics Research
- PHYS 398 - Physics Thesis

3 hours of physics electives (capstone course), from:

- PHYS 388 - Astrophysics
- PHYS 389 - Solid State Physics

Note(s):

- A 2.000 cumulative average must be attained in these courses within the major.

Additional Major Requirements:

17-18 credit hours, as follows

5-6 hours of additional science courses from either:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab

• or

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab

12 hours of mathematics from:

- CSCI 170 - Computer Science I or
- CSCI 180 - Computer Science II
- MATH 220 - Calculus III
- MATH 230 - Differential Equations
- • And a MATH elective (210-499)(Refer to [Course Descriptions](#) .)

Note(s):

- Specific requirements are modifiable for the needs and interests of each individual student.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Physics

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- MATH 170 - Calculus I
- PHIL 100 - Ethics as Introduction to Philosophy
- • Foreign Language (3)

Total (14)

Second Semester

- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II
- MATH 171 - Calculus II
- • Computer Science Elective (3)
- • Foreign Language (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (17)

Sophomore Year

First Semester

- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- MATH 220 - Calculus III
- THEO 111 - Theological Foundations
- • History Elective I (3)

Total (18)

Second Semester

- PHYS 340 - Modern Physics II
- PHYS 341 - Modern Physics Lab II
- MATH 230 - Differential Equations
- PHIL 290 - Theory of Knowledge
- • Fine Arts Elective (3)
- • Cultural Diversity Elective (1)
- • History Elective II (3)

Total (17)

Junior Year

First Semester

- PHYS 350 - Theoretical Mechanics I
- PHYS 360 - Electromagnetism I
- PHYS 355 - Advanced Physics Lab
- • Mathematics Elective (3)
- • CHEM/BIOL Elective + Lab (4-5)

Total (15-16)

Second Semester

- PHYS 382 - Thermodynamics
- PHYS 364 - Physical Optics
- PHYS 365 - Physical Optics Lab
- • Literature Elective (3)
- • PHYS, MATH or CSCI Elective * (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)

Total (16)

Senior Year

First Semester

- PHYS 376 - Quantum Mechanics I
- PHYS 395 - Physics Research
- • Physics Elective * (3)
- • Philosophy Elective (3)
- • Social Science Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

Total (16)

Second Semester

- PHYS 377 - Quantum Mechanics II
- PHYS 398 - Physics Thesis
- • Physics Elective - Capstone (3)
- • Theology Ethics or Rel/Cult Elective (3)
- • Social Science Elective (3)
- • E/RS Focus Elective (3)

Total (16)

Note(s):

* Not required, but strongly recommended for those who plan to attend graduate school.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Minors

Physics Minor

18 total credit hours are required, as follows:

8 hours of introductory physics courses:

- PHYS 160 - College Physics I

- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

- or

- PHYS 170 - University Physics I
- PHYS 171 - Explorations in Physics I
- PHYS 172 - University Physics II
- PHYS 173 - Explorations in Physics II

- Or any appropriate combination of the above classes.

10 hours of electives:

- PHYS 206-398 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Political Science and Sociology

The Department of Political Science and Sociology offers these degrees and programs:

The Bachelor of Arts in Political Science
 The Bachelor of Arts in International Studies
 The Bachelor of Arts in Sociology
 The Minor in Political Science
 The Minor in International Studies
 The Minor in Sociology
 The Associate degree in Political Science
 The Associate degree in Sociology

For information on the associate degrees, contact the Center for Adult and Part-time Students (CAPS).

Bachelor of Arts

International Studies: Europe, B.A.

Bachelor of Arts Degree in International Studies

Field of Concentration: Europe, International Business, Latin America, or Post-Colonial

International Studies is an interdisciplinary program that is inspired by Xavier's Jesuit tradition to prepare men and women for others as informed, ethically aware citizens who can thrive in today's global society. By majoring in international studies, you will:

- Learn to assess international developments, trends, dilemmas and policy issues.
- Develop critical thinking skills and tools necessary for successful engagement with an increasingly interconnected world.
- Engage in interdisciplinary study in language, history, political science and economics to shape an informed and comprehensive world view.

Majors choose one of the following concentrations:

Europe, International Business, Latin America, or Post-Colonial Studies.

International studies majors take a variety of courses from many disciplines, including:

- Language courses that emphasize culture, history and literature
- Political science courses in comparative politics and international relations
- History courses that provide in-depth analysis of an area of the world
- Microeconomics and macroeconomics

Study abroad or an internship in an international business or non-governmental organization is a required component in the program. Students are encouraged to study abroad through one of Xavier's many programs. They may also participate in Xavier's academic service learning semesters.

Requirements for the International Studies Major

Core curriculum requirements:

64 credit hours, including

Mathematics:

Take Statistics with either:

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- Plus 3 hours of MATH elective

Foreign Language:

- Complete intermediate level proficiency (202 level).

Theology:

- Elective course selected from an approved list of THEO courses.

Social Sciences:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

33 credit hours, as follows

12 hours of specific courses from:

- POLI 120 - Comparative Government and Politics
- POLI 277 - International Relations
- POLI 390 - Seminar: International Relations
- POLI 396 - International Studies Internship

3 hours from a choice of either:

- POLI 372 - International Political Economy
- ECON 300 - International Trade & Business Environment

3 hours from:

- • HIST 410
- • HIST 417
- HIST 428 - SEM: Latin American Revolutions
- POLI 374 - United States Foreign Policy

15 hours of courses in a chosen concentration:

Europe:

Select 5 courses from an approved list, including

- ENGL 375 - Literature & the Arts in Ireland
- ENGL 470 - Modern British Literature
- ENGL 475 - Modern Irish Literature
- HIST 210 - Sophomore Colloquium
- • HIST 361
- HIST 370 - The British Empire
- • HIST 378
- HIST 387 - USSR Since 1917
- HIST 465 - SEM: Modern Russia
- HIST 466 - SEM: The Stalin Era
- • HIST 495
- PHIL 339 - Revolution and Its Aftermath
- PHIL 364 - Modern Political Philosophy
- POLI 219 - Irish Government and Politics
- POLI 381 - Politics of Western Europe
- POLI 387 - Soviet & Post-Soviet Politics
- SOCI 270 - Irish Historical Sociology and
- • Literature & Civilization courses in FREN / GERM / SPAN

Note(s):

- A 2.000 cumulative average must be attained in these required and concentration courses.
- Concentration courses must come from two or more disciplines; no more than three courses in Modern Languages and English combined or three courses from History may count toward the Concentration.

Additional Major Requirements:

6 credit hours, as follows

- Advanced competency in at least one foreign language, as well as an academic study abroad experience or an international internship.
- Additional language courses required beyond the intermediate proficiency of the 202-level in FREN, GERM or SPAN (300-320) (Refer to [Course Descriptions](#)) is one way to meet this requirement.
- For other languages, a cultural immersion of at least 6 hours is required with approval of Director.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. International Studies

This block serves as a guideline for progress toward a degree. See your academic advisor.

Field of Concentration — Europe

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- HIST 133 - European History I
- THEO 111 - Theological Foundations
- POLI 120 - Comparative Government and Politics

Total (15)

Second Semester

- • Mathematics Elective (3)
- HIST 134 - European History II
- PHIL 100 - Ethics as Introduction to Philosophy
- • THEO 200 Elective (3)

Total (15)

Sophomore Year

First Semester

- POLI 277 - International Relations
- ECON 200 - Microeconomic Principles
- PHIL 290 - Theory of Knowledge
- SPAN 201 - Intermediate Spanish I or
- • Foreign Language 201 (3)
- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- UNST 100 - E Pluribus Unum

Total (16)

Second Semester

- • English Literature requirement (3)
- ECON 201 - Macroeconomic Principles
- • PHIL Elective (3)
- SPAN 202 - Intermediate Spanish II or
- • Foreign Language 202 (3)
- • THEO 300 Elective (3)

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment or
- POLI 372 - International Political Economy
- • Concentration (3)
- • Fine Arts Elective (3)
- • Science Elective (3)
- • SPAN 300-320 (3) or
- • Language 300-320 Elective (Refer to [Course Descriptions](#) .) (3)

Total (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- POLI 374 - United States Foreign Policy

• or

- • HIST 401
- • HIST 417 or
- HIST 428 - SEM: Latin American Revolutions
- • Concentration course (3)
- • Science Elective (3)
- • SPAN 300-320 (Refer to [Course Descriptions](#) .) (3) or
- • Language 300-320 Elective (Refer to [Course Descriptions](#) .) (3)

Total (15)

Senior Year

First Semester

- POLI 390 - Seminar: International Relations
- • Concentration courses (6)
- • Science Elective (3)
- POLI 396 - International Studies Internship

Total (15)

Second Semester

- Concentration course (3)
- ERS Focus Elective (3)
- General Electives (9)

Total (15)

Scheduling Notes:

- Consult the “ [Undergraduate Core Curriculum](#) ” requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

International Studies: International Business, B.A.

Bachelor of Arts Degree in International Studies

Field of Concentration: Europe, International Business, Latin America, or Post-Colonial

International Studies is an interdisciplinary program that is inspired by Xavier’s Jesuit tradition to prepare men and women for others as informed, ethically aware citizens who can thrive in today’s global society. By majoring in international studies, you will:

- Learn to assess international developments, trends, dilemmas and policy issues.
- Develop critical thinking skills and tools necessary for successful engagement with an increasingly interconnected world.
- Engage in interdisciplinary study in language, history, political science and economics to shape an informed and comprehensive world view.

Majors choose one of the following concentrations:

Europe, International Business, Latin America, or Post-Colonial Studies.

International studies majors take a variety of courses from many disciplines, including:

- Language courses that emphasize culture, history and literature
- Political science courses in comparative politics and international relations
- History courses that provide in-depth analysis of an area of the world
- Microeconomics and macroeconomics

Study abroad or an internship in an international business or non-governmental organization is a required component in the program. Students are encouraged to study abroad through one of Xavier's many programs. They may also participate in Xavier's academic service learning semesters.

Requirements for the International Studies Major

Core curriculum requirements:

64 credit hours, including

Mathematics:

Take Statistics with either:

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- Plus 3 hours of MATH elective

Foreign Language:

- Complete intermediate level proficiency (202 level).

Theology:

- Elective course selected from an approved list of THEO courses.

Social Sciences:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

33 credit hours, as follows

12 hours of specific courses from:

- POLI 120 - Comparative Government and Politics
- POLI 277 - International Relations
- POLI 390 - Seminar: International Relations
- POLI 396 - International Studies Internship

3 hours from a choice of either:

- POLI 372 - International Political Economy
- ECON 300 - International Trade & Business Environment

3 hours from:

- • HIST 410
- • HIST 417
- HIST 428 - SEM: Latin American Revolutions
- POLI 374 - United States Foreign Policy

15 hours of courses in a chosen concentration:

International Business:

- ECON 300 - International Trade & Business Environment
- POLI 372 - International Political Economy

Complete 2 of 3 sequences from:

Marketing:

- MKTG 300 - Principles of Marketing
- MKTG 320 - International Marketing

Management

- MGMT 300 - Managerial Behavior
- MGMT 325 - International Management

International Finance

- ACCT 200 - Introductory Financial Accounting
- FINC 300 - Business Finance
- FINC 476 - International Finance

Note(s):

- A 2.000 cumulative average must be attained in these required and concentration courses.
- Concentration courses must come from two or more disciplines; no more than three courses in Modern Languages and English combined or three courses from History may count toward the Concentration.

Additional Major Requirements:

6 credit hours, as follows

- Advanced competency in at least one foreign language, as well as an academic study abroad experience or an international internship.
- Additional language courses required beyond the intermediate proficiency of the 202-level in FREN, GERM or SPAN (300-320) (Refer to [Course Descriptions](#)) is one way to meet this requirement.
- For other languages, a cultural immersion of at least 6 hours is required with approval of Director.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. International Studies

This block serves as a guideline for progress toward a degree. See your academic advisor.

Field of Concentration — International Business

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language 101 (3)
- HIST 123 - African History I
- HIST 133 - European History I
- HIST 151 - Latin American History I or
- HIST 161 - Asian History I
- THEO 111 - Theological Foundations
- POLI 120 - Comparative Government and Politics

Total (15)

Second Semester

- Mathematics Elective (3)
- Foreign Language 102 (3)
- HIST 124 - African History II
- HIST 134 - European History II
- HIST 152 - Latin American History II or
- HIST 162 - Asian History II
- PHIL 100 - Ethics as Introduction to Philosophy
- THEO 200 Elective (3)

Total (15)

Sophomore Year

First Semester

- POLI 277 - International Relations
- ECON 200 - Microeconomic Principles
- PHIL 290 - Theory of Knowledge
- • Foreign Language 201 (3)
- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- UNST 100 - E Pluribus Unum

Total (16)

Second Semester

- • English Literature requirement (3)
- ECON 201 - Macroeconomic Principles
- • PHIL Elective (3)
- • Foreign Language 202 (3)
- • THEO 300 Elective (3)

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • International Business course (3)
- • Fine Arts Elective (3)
- • Science Elective (3)
- • Language 300-320 Elective (Refer to [Course Descriptions](#) .) (3)

Total (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- POLI 374 - United States Foreign Policy

• or

- • HIST 401
- • HIST 417 or
- HIST 428 - SEM: Latin American Revolutions
- • International Business course (3)
- • Science Elective (3)
- • Language 300-320 Elective (Refer to [Course Descriptions](#) .) (3)

Total (15)

Senior Year

First Semester

- POLI 390 - Seminar: International Relations
- • International Business course (3)
- • Science Elective (3)
- POLI 372 - International Political Economy
- POLI 396 - International Studies Internship

Total (15)

Second Semester

- International Business Electives (6)
- ERS Focus Elective (3)
- General Electives (6)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

International Studies: Latin America, B.A.

Bachelor of Arts Degree in International Studies

Field of Concentration: Europe, International Business, Latin America, or Post-Colonial

International Studies is an interdisciplinary program that is inspired by Xavier's Jesuit tradition to prepare men and women for others as informed, ethically aware citizens who can thrive in today's global society. By majoring in international studies, you will:

- Learn to assess international developments, trends, dilemmas and policy issues.
- Develop critical thinking skills and tools necessary for successful engagement with an increasingly interconnected world.
- Engage in interdisciplinary study in language, history, political science and economics to shape an informed and comprehensive world view.

Majors choose one of the following concentrations:

Europe, International Business, Latin America, or Post-Colonial Studies.

International studies majors take a variety of courses from many disciplines, including:

- Language courses that emphasize culture, history and literature
- Political science courses in comparative politics and international relations
- History courses that provide in-depth analysis of an area of the world
- Microeconomics and macroeconomics

Study abroad or an internship in an international business or non-governmental organization is a required component in the program. Students are encouraged to study abroad through one of Xavier's many programs. They may also participate in Xavier's academic service learning semesters.

Requirements for the International Studies Major

Core curriculum requirements:

64 credit hours, including

Mathematics:

Take Statistics with either:

- MATH 116 - Elementary Statistics
- MATH 156 - General Statistics
- Plus 3 hours of MATH elective

Foreign Language:

- Complete intermediate level proficiency (202 level).

Theology:

- Elective course selected from an approved list of THEO courses.

Social Sciences:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

33 credit hours, as follows

12 hours of specific courses from:

- POLI 120 - Comparative Government and Politics
- POLI 277 - International Relations
- POLI 390 - Seminar: International Relations
- POLI 396 - International Studies Internship

3 hours from a choice of either:

- POLI 372 - International Political Economy
- ECON 300 - International Trade & Business Environment

3 hours from:

- HIST 410
- HIST 417
- HIST 428 - SEM: Latin American Revolutions
- POLI 374 - United States Foreign Policy

15 hours of courses in a chosen concentration:

Latin America:

Select 5 courses from an approved list, including

- ECON 341 - Economy of Developing Countries
- HIST 340 - History of Mexico
- HIST 428 - SEM: Latin American Revolutions
- SPAN 205 - Hispanic Literature & Moral Imagination
- SPAN 351 - Latin-American Civilization I
- SPAN 352 - Latin American Civilization II
- SPAN 353 - Introduction to Latin American Studies
- SPAN 400
- SPAN 427 - Spanish-American Literature & Civilization I
- SPAN 428 - Spanish-American Literature & Civilization II
- SPAN 429 - Spanish-American Literature & Civilization III
- SPAN 440 - Hispanic Poetry
- SPAN 446
- THEO 306 - Liberation Issues & Theology
- UNST 300 - Service Learning: Nicaragua

Note(s):

- A 2.000 cumulative average must be attained in these required and concentration courses.
- Concentration courses must come from two or more disciplines; no more than three courses in Modern Languages and English combined or three courses from History may count toward the Concentration.

Additional Major Requirements:

6 credit hours, as follows

- Advanced competency in at least one foreign language, as well as an academic study abroad experience or an international internship.
- Additional language courses required beyond the intermediate proficiency of the 202-level in FREN, GERM or SPAN (300-320) (Refer to [Course Descriptions](#)) is one way to meet this requirement.
- For other languages, a cultural immersion of at least 6 hours is required with approval of Director.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. International Studies

This block serves as a guideline for progress toward a degree. See your academic advisor.

Field of Concentration — Latin America

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- SPAN 101 - Elementary Spanish I or
- Foreign Language 101 (3)
- THEO 111 - Theological Foundations
- POLI 120 - Comparative Government and Politics

Total (15)

Second Semester

- Mathematics Elective (3)
- SPAN 102 - Elementary Spanish II or
- Foreign Language 102 (3)
- HIST 152 - Latin American History II
- PHIL 100 - Ethics as Introduction to Philosophy
- THEO 200 Elective (3)

Total (15)

Sophomore Year

First Semester

- POLI 277 - International Relations
- ECON 200 - Microeconomic Principles
- PHIL 290 - Theory of Knowledge
- SPAN 201 - Intermediate Spanish I
- • Foreign Language 201 (3)
- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- UNST 100 - E Pluribus Unum

Total (16)

Second Semester

- • English Literature requirement (3)
- ECON 201 - Macroeconomic Principles
- • PHIL Elective (3)
- SPAN 202 - Intermediate Spanish II
- • Foreign Language 202 (3)
- • THEO 300 Elective (3)

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- POLI 372 - International Political Economy
- • Concentration (3)
- • Fine Arts Elective (3)
- • Science Elective (3)
- • SPAN 300-320 (Refer to [Course Descriptions](#)) (3) or
- • Language 300-320 Elective (Refer to [Course Descriptions](#)) (3)

Total (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination

- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- POLI 374 - United States Foreign Policy

• or

- • HIST 401
- • HIST 417 or
- HIST 428 - SEM: Latin American Revolutions
- • Concentration course (3)
- • Science Elective (3)
- • SPAN 300-320 (Refer to [Course Descriptions](#)) (3) or
- • Language 300-320 Elective (Refer to [Course Descriptions](#)) (3)

Total (15)

Senior Year

First Semester

- POLI 390 - Seminar: International Relations
- • Concentration courses (6)
- • Science Elective (3)
- POLI 396 - International Studies Internship

Total (15)

Second Semester

- Concentration course (3)
- ERS Focus Elective (3)
- General Electives (9)

Total (15)

Scheduling Notes:

- Consult the “ [Undergraduate Core Curriculum](#) ” requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

International Studies: Post-Colonial, B.A.

Bachelor of Arts Degree in International Studies

Field of Concentration: Europe, International Business, Latin America, or Post-Colonial

International Studies is an interdisciplinary program that is inspired by Xavier's Jesuit tradition to prepare men and women for others as informed, ethically aware citizens who can thrive in today's global society. By majoring in international studies, you will:

- Learn to assess international developments, trends, dilemmas and policy issues.
- Develop critical thinking skills and tools necessary for successful engagement with an increasingly interconnected world.
- Engage in interdisciplinary study in language, history, political science and economics to shape an informed and comprehensive world view.

Majors choose one of the following concentrations:

Europe, International Business, Latin America, or Post-Colonial Studies.

International studies majors take a variety of courses from many disciplines, including:

- Language courses that emphasize culture, history and literature
- Political science courses in comparative politics and international relations
- History courses that provide in-depth analysis of an area of the world
- Microeconomics and macroeconomics

Study abroad or an internship in an international business or non-governmental organization is a required component in the program. Students are encouraged to study abroad through one of Xavier's many programs. They may also participate in Xavier's academic service learning semesters.

Requirements for the International Studies Major

Core curriculum requirements:

64 credit hours, including

Mathematics:

Take Statistics with either:

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- Plus 3 hours of MATH elective

Foreign Language:

- Complete intermediate level proficiency (202 level).

Theology:

- Elective course selected from an approved list of THEO courses.

Social Sciences:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

33 credit hours, as follows

12 hours of specific courses from:

- PHYS 120 - Our Universe: The Planets
- POLI 277 - International Relations
- POLI 390 - Seminar: International Relations
- POLI 396 - International Studies Internship

3 hours from a choice of either:

- POLI 372 - International Political Economy
- ECON 300 - International Trade & Business Environment

3 hours from:

- • HIST 410
- • HIST 417
- HIST 428 - SEM: Latin American Revolutions
- POLI 374 - United States Foreign Policy

15 hours of courses in a chosen concentration:

Post-Colonial:

- POLI 379 - Revolution and Change

And select 4 courses from an approved list, including:

- ECON 341 - Economy of Developing Countries
- ENGL 344 - Major Black Writers of World
- ENGL 352 - African Literature
- HIST 210 - Sophomore Colloquium
- HIST 301 - Colonial America
- • HIST 316
- • HIST 343
- HIST 347 - Modern China
- • HIST 350
- HIST 370 - The British Empire
- HIST 395 - History of South Africa
- • HIST 417
- POLI 219 - Irish Government and Politics
- POLI 224 - Middle East Politics
- • POLI 314
- POLI 320 - Global Islamic Politics
- • POLI 382
- POLI 490 - Directed Study
- SOCI 270 - Irish Historical Sociology

- SPAN 351 - Latin-American Civilization I
- SPAN 352 - Latin American Civilization II
- THEO 309 - West African Religions
- • THEO 344
- THEO 355 - Islam
- THEO 368 - Buddhism
- UNST 302 - Service Learning: India
- UNST 304 - Service Learning: Ghana

Note(s):

- A 2.000 cumulative average must be attained in these required and concentration courses.
- Concentration courses must come from two or more disciplines; no more than three courses in Modern Languages and English combined or three courses from History may count toward the Concentration.

Additional Major Requirements:

6 credit hours, as follows

- Advanced competency in at least one foreign language, as well as an academic study abroad experience or an international internship.
- Additional language courses required beyond the intermediate proficiency of the 202-level in FREN, GERM or SPAN (300-320) (Refer to [Course Descriptions](#)) is one way to meet this requirement.
- For other languages, a cultural immersion of at least 6 hours is required with approval of Director.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. International Studies

This block serves as a guideline for progress toward a degree. See your academic advisor.

Field of Concentration — Post-Colonial

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- HIST 123 - African History I
- HIST 151 - Latin American History I or
- HIST 161 - Asian History I
- THEO 111 - Theological Foundations
- POLI 120 - Comparative Government and Politics

Total (15)

Second Semester

- • Mathematics Elective (3)
- HIST 124 - African History II
- HIST 152 - Latin American History II or
- HIST 162 - Asian History II
- PHIL 100 - Ethics as Introduction to Philosophy
- • THEO 200 Elective (3)

Total (15)

Sophomore Year

First Semester

- POLI 277 - International Relations
- ECON 200 - Microeconomic Principles
- PHIL 290 - Theory of Knowledge
- SPAN 201 - Intermediate Spanish I
- • Foreign Language 201 (3)
- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- UNST 100 - E Pluribus Unum

Total (15)

Second Semester

- • English Literature requirement (3)
- ECON 201 - Macroeconomic Principles
- • PHIL Elective (3)
- SPAN 202 - Intermediate Spanish II
- • Foreign Language 202 (3)
- • THEO 300 Elective (3)

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment or
- POLI 372 - International Political Economy
- POLI 379 - Revolution and Change
- • Fine Arts Elective (3)
- • Science Elective (3)
- • SPAN 300-320 (Refer to [Course Descriptions](#)) (3) or
- • Language 300-320 Elective (Refer to [Course Descriptions](#)) (3)

Total (15)

Second Semester

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- POLI 374 - United States Foreign Policy

• or

- • HIST 401
- • HIST 417 or
- HIST 428 - SEM: Latin American Revolutions
- • Concentration course (3)
- • Science Elective (3)
- • SPAN 300-320 (Refer to [Course Descriptions](#)) (3) or
- • Language 300-320 Elective (Refer to [Course Descriptions](#)) (3)

Total (15)

Senior Year

First Semester

- POLI 390 - Seminar: International Relations
- • Concentration courses (6)
- • Science Elective (3)
- POLI 396 - International Studies Internship

Total (15)

Second Semester

- Concentration course (3)
- ERS Focus Elective (3)
- General Electives (9)

Total (15)

Scheduling Notes:

- Consult the “ [Undergraduate Core Curriculum](#) ” requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Political Science, B.A.

Political science studies the theory and practice of government and politics. Xavier's program is structured to give students a systematic view of the various elements of political science, including American Government, Comparative Government, Political Theory, and International Relations. Political science plays an important part in the student's liberal arts education, as well as in preparing the student for employment and/or graduate study. Political science is an excellent major for students preparing for careers in law, public service, foreign service, teaching, international management, public administration, and business.

Requirements for the Political Science Major

Core Curriculum Requirements:

64 credit hours, including

Social Sciences:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Mathematics:

Take Statistics with either

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- • Plus 3 hours of MATH elective

Major Requirements:

33 credit hours, as follows

12 hours of political science courses from:

- POLI 120 - Comparative Government and Politics
- POLI 140 - American Government and Politics
- POLI 277 - International Relations
- POLI 301 - Political Philosophy

3 hours from a choice of either:

- POLI 390 - Seminar: International Relations
- POLI 391 - Seminar: American Government

18 hours of political science electives selected from:

- POLI 200-490 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in the political science courses.
- In addition to formal course work, students are encouraged to include experiential learning in their personal program if they feel it will contribute to their learning goals and objectives. To accomplish this, the department facilitates intern programs in Washington, D.C. and Cincinnati. The Political Science major provides breadth which ensures that the student is well grounded in the discipline and at the same time permits flexibility for concentration in a sub-field.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Political Science

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- • History I Elective (3)
- • Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • Science Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- • History II Elective (3)
- • Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- • Science Elective (3)
- POLI 120 - Comparative Government and Politics

Total (15)

Sophomore Year

First Semester

- • Science Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- ECON 200 - Microeconomic Principles
- • Theo Scrip/Hist or Christ Sys Elective (3)
- PHYS 140 - Technical Physics
- • Cultural Diversity Elective (1)

Total (16)

Second Semester

- • General Elective (3)
- • Fine Arts Elective (3)
- ECON 201 - Macroeconomic Principles
- PHIL 290 - Theory of Knowledge
- • Literature Elective (3)

Total (15)

Junior Year

First Semester

- MATH 156 - General Statistics or
- MATH 116 - Elementary Statistics
- • Theology Ethics or Rel/Cult Elective (3)
- • General Elective (3)
- • Political Science Elective (3)
- POLI 277 - International Relations

Total (15)

Second Semester

- POLI 301 - Political Philosophy
- • Philosophy Elective (3)
- • E/RS Focus Elective (3)
- • Political Science Elective (3)
- • Mathematics Elective (3)

Total (15)

Senior Year

First Semester

- POLI 390 - Seminar: International Relations or
- POLI 391 - Seminar: American Government
- • Political Science Electives (6)
- • General Elective (6)

Total (15)

Second Semester

- Political Science Electives (6)
- General Electives (8)

Total (14)

Scheduling Notes:

- Consult the " [Undergraduate Core Curriculum](#) " requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Sociology, B.A.

Sociology, the study of human behavior in the group context, seeks to discover regularities and order in social behavior and to express these patterns as theoretical generalizations applying to the wide range of such behavior. General and specialized areas of study are covered, and requirements are kept to a minimum in order to allow students flexibility in the design of their programs. The department encourages experiential learning. Along with the significant contribution sociology makes to a liberal arts education, the program of the department is designed to prepare the Sociology major for the following fields of endeavor: (1) graduate study for teaching sociology; (2) service and graduate study in the professions; (3) careers in the fields of pure and applied research; (4) careers in applied sociology, such as administration and consultant positions in business, government, and community work.

In order to demonstrate competency in sociology during the senior year, a senior research project must be successfully completed. That research is directed during the Applied Research Methodology ([SOCI 353](#)) course.

Requirements for the Sociology Major

Core Curriculum Requirements:

64 credit hours, including

Mathematics:

Take Statistics with either

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- • Plus 3 hours of MATH elective.

Social Sciences Requirement:

- Included within the major requirements.

Major Requirements:

30 credit hours, as follows

18 hours from:

- SOCI 101 - Introduction to Sociology
- SOCI 180 - Culture & Society
- SOCI 300 - Sociological Theories
- SOCI 352 - Principles of Research
- SOCI 353 - Applied Research Methodology
- SOCI 365 - Class and Class Conflict or
- SOCI 366 - Utopian Communities

12 hours of upper-division electives:

- SOCI 167 - Survey of Society in Social Work and
- • SOCI 200-499 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in the sociology courses.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Sociology

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Foreign Language Elective (3)
- • History I Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • Science Elective (3)

Total (15)

Second Semester

- • Literature Elective (3)
- • Foreign Language Elective (3)
- • History II Elective (3)
- THEO 111 - Theological Foundations
- • Science Elective (3)

Total (15)

Sophomore Year

First Semester

- SOCI 101 - Introduction to Sociology
- • Mathematics Elective (3)
- • Fine Arts Elective (3)
- • The Scrip/Hist or Christ Sys Elective (3)
- • Science Elective (3)
- • Cultural Diversity Elective (1)

Total (16)

Second Semester

- SOCI 180 - Culture & Society
- MATH 116 - Elementary Statistics or

- MATH 156 - General Statistics
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- PHIL 290 - Theory of Knowledge
- • General Elective (3)

Total (15)

Junior Year

First Semester

- SOCI 352 - Principles of Research
- • Theology Ethics or Rel/Cult Elective (3)
- • Sociology Elective (3)
- • General Electives (6)

Total (15)

Second Semester

- SOCI 300 - Sociological Theories
- • Philosophy Elective (3)
- SOCI 365 - Class and Class Conflict or
- SOCI 366 - Utopian Communities
- • E/RS Focus Elective (3)
- • General Elective (3)

Total (15)

Senior Year

First Semester

- SOCI 353 - Applied Research Methodology
- • Sociology Elective (3)
- • General Elective (9)

Total (15)

Second Semester

- Sociology Elective (6)
- General Elective (8)

Total (14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Associate of Arts

Political Science, A.A.

Core Curriculum Requirements:

28 credit hours

Concentration Requirements:

15 credit hours, as follows

9 hours of political science courses from:

- POLI 120 - Comparative Government and Politics
- POLI 140 - American Government and Politics
- POLI 277 - International Relations

3 hours from a choice of either:

- POLI 301 - Political Philosophy
- POLI 350 - Political Theory & American Regime

3 hours for an elective from:

- POLI 200-490 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these political science courses.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Sociology, A.A.

Core curriculum requirements:

28 credit hours

Concentration Requirements:

15 credit hours, as follows

3 hours of elective course from:

- SOCI 200-499 (Refer to [Course Descriptions](#) .)

12 hours of sociology courses from:

- SOCI 101 - Introduction to Sociology
- SOCI 180 - Culture & Society
- SOCI 300 - Sociological Theories
- SOCI 352 - Principles of Research

Note(s):

- A 2.000 cumulative average must be attained in the sociology courses.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Minors

International Studies Minor

15 credit hours are required, as follows:

9 hours from:

- POLI 120 - Comparative Government and Politics
- POLI 277 - International Relations
- POLI 390 - Seminar: International Relations

3 hours from either

- POLI 372 - International Political Economy
- ECON 390 - Topics in Economics

3 hours from 1 elective course of:

- HIST 401 (3)
- HIST 417 (3)
- HIST 428 - SEM: Latin American Revolutions
- POLI 374 - United States Foreign Policy

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Political Science Minor

15 total credit hours are required, as follows:

9 hours of political science courses from:

- POLI 120 - Comparative Government and Politics
- POLI 140 - American Government and Politics
- POLI 277 - International Relations

3 hours from a choice of either:

- POLI 301 - Political Philosophy
- POLI 350 - Political Theory & American Regime

3 hours for an elective from:

- POLI 200-490 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these political science courses.

Sociology Minor

15 credit hours are required, as follows:

9 hours from:

- SOCI 101 - Introduction to Sociology
- SOCI 300 - Sociological Theories
- SOCI 352 - Principles of Research

6 hours of elective courses selected from:

- SOCI 200-499 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Theology

The Department of Theology offers the Bachelor of Arts, the Associate of Arts and the Master of Arts in Theology degrees. And, in conjunction with the Health Services Department in the College of Social Sciences, Health and Education, a Master of Arts degree in Health Care Mission Integration is offered. For information on the associate degree, contact the Center for Adult and Part-time Students (CAPS).

Also offered is a minor in Theology and a minor in Religious Education.

Bachelor of Arts

Theology, B.A.

Theology is the study both of the human experience of God and of the transmission of that experience through religious traditions, doctrines, ethics, and rituals. It is essentially a dialogue between religious traditions and human experience. Such dialogue is critical for human understanding in a time of increased encounters among world religions. The theology faculty attempts to assist students in this critical dialogue through courses about religious traditions, especially the Jewish and Christian traditions, and by other courses that focus on contemporary issues from a theological perspective. The theology major prepares students for graduate studies in theology, law, history, journalism, and other forms of communication, as well as for directing religious education, teaching religious studies in secondary schools, and other forms of ministry. With appropriate counseling, a student can combine this major in the liberal arts with a major in another field (e.g. classics, English, history, psychology, secondary education), both for the student's personal enrichment and in view of broader career opportunities.

Requirements for the Theology Major

Core Curriculum Requirements:

64 credit hours, including

Theology Requirement:

- Included within the major.

Major Requirements:

36 credit hours, as follows

24 hours from:

- THEO 111 - Theological Foundations
- THEO 209 - The Christian Tradition I
- THEO 210 - The Christian Tradition II
- THEO 251 - Introduction to Hebrew Scriptures
- THEO 252 - Introduction to Christian Scriptures
- THEO 290 - Christian Doctrine Today
- THEO 295 - Senior Seminar: Ideas & Methods
- THEO 303 - Christian Ethics: Methods & Questions

3 hours from:

- A non-Christian religious traditions elective.

9 hours from elective courses selected from:

- THEO 201-499 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in the theology courses.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.A. Theology

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language Elective (3)
- History I Elective (3)
- Science Elective (3)
- THEO 111 - Theological Foundations

Total (15)

Second Semester

- Foreign Language Elective (3)
- History II Elective (3)
- Science Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Literature Elective (3)

Total (15)

Sophomore Year

First Semester

- THEO 251 - Introduction to Hebrew Scriptures
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- Mathematics Elective (3)
- Social Science Elective (3)
- THEO 209 - The Christian Tradition I *
- Cultural Diversity Elective (1)

Total (16)

Second Semester

- THEO 252 - Introduction to Christian Scriptures
- Mathematics Elective (3)
- PHIL 290 - Theory of Knowledge
- Social Science Elective (3)
- THEO 210 - The Christian Tradition II *

Total (15)

Junior Year

First Semester

- Philosophy Elective (3)
- Fine Arts Elective (3)
- Theology Elective (3)
- General Elective ** (3)
- THEO 303 - Christian Ethics: Methods & Questions *

Total (15)

Second Semester

- Science Elective (3)
- THEO 290 - Christian Doctrine Today
- General Elective ** (6)
- E/RS Focus Elective (3)

Total (15)

Senior Year

First Semester

- • Theology Elective (non-Christian) (3)
- THEO 295 - Senior Seminar: Ideas & Methods *
- • Theology Elective (3)
- • General Elective ** (6)

Total (15)

Second Semester

- Theology Elective (3)
- General Elective ** (11)

Total (14)

Note(s):

* Special section for Theology majors.

**Theology majors have at least 26 hours of general electives; it is recommended that these be chosen in one area as a second concentration, rather than a wide dispersal of courses.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core.

Associate of Arts

Theology, A.A.

Core Curriculum Requirements:

28 hours, including

- Theology requirement included within the concentration.

Concentration Requirements:

18 total credit hours, as follows:

6 hours of upper division electives from:

- THEO 201-499 (Refer to [Course Descriptions](#) .)

12 hours of required theology courses from:

- THEO 111 - Theological Foundations
- THEO 209 - The Christian Tradition I or
- THEO 210 - The Christian Tradition II
- THEO 251 - Introduction to Hebrew Scriptures or
- THEO 252 - Introduction to Christian Scriptures
- THEO 303 - Christian Ethics: Methods & Questions

Note(s):

- A 2.000 cumulative average must be attained in these theology courses.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Minors

Religious Education Minor

The Religious Education Minor is designed to prepare theology majors to meet the Archdiocese of Cincinnati's professional requirements for Catholic High School Religion Teacher Certification. The Religious Education Minor alone does not suffice to meet those professional requirements. Rather, the theology major must be completed in addition to this minor in order to satisfy the necessary educational requirements for archdiocesan certification. The certification standards of other Catholic dioceses are similar to Cincinnati's, but students are strongly encouraged to check with the diocese where they plan to teach religion.

18 total credit hours are required, as follows:

9 hours of required courses from:

- EDFD 110 - Human Development & Learning or
- PSYC 231 - Developmental Psychology
- THEO 338 - Religious Ed & Youth Ministry
- EDMS 350 - Technology & Topics for Education

9 hours of student teaching from:

- EDMS 470 - Student Teaching: Secondary

Note(s):

- A 2.000 minimum cumulative average must be attained in these courses.

Theology Minor

18 total credit hours are required, as follows:

12 hours of theology courses from:

- THEO 111 - Theological Foundations
- THEO 209 - The Christian Tradition I or
- THEO 210 - The Christian Tradition II
- THEO 251 - Introduction to Hebrew Scriptures or
- THEO 252 - Introduction to Christian Scriptures
- THEO 303 - Christian Ethics: Methods & Questions

6 hours of electives from:

- THEO 201-499 (Refer to [Course Descriptions](#) .)

Note(s):

- The core curriculum theology requirement is included within the minor.
- A 2.000 cumulative average must be attained in these courses.

Master of Arts

Health Care Mission Integration, M.A.

Xavier's graduate program in health care mission integration combines the study of theology with the study of health services administration. This M.A. program is designed to provide preparation for Mission Directors and others who lead their colleagues in Catholic and other Christian health services to foster and enhance the spirit of love, compassion, and service within these institutions. The program focuses on understanding the Christian tradition and embodying it amidst the challenges of institutional, technological, and cultural change.

Students will study in a challenging educational environment with experts in the fields of theology and health care service administration. An internship will provide field experience. Professional seminars(non-credit) are also required.

Curriculum

The Master of Arts in Health Care Mission Integration requires the satisfactory completion of 36 semester hours of course work at the graduate level and an internship, and earning an overall GPA of at least 3.000.

Theology courses:

- THEO 504 - Foundations of Scripture Study
- THEO 630 - Theology of Ministry
- THEO 540 - Modern Catholic Social Teaching

One course in faith and culture (3 cr): e.g.:

- • THEO 551
- THEO 571 - Black Theology

One course in theological ethics (3 cr): e.g.:

- THEO 506 - Foundation Issues in Christian Ethics
- THEO 544 - Health Care Ethics
- THEO 548 - Bioethics
- • THEO 632

One course in spirituality (3 cr): e.g.

- THEO 527
- THEO 528

Internship Requirements:

- THEO 636

Internship of 100 clock hours with a Mission Director in a Catholic or other Christian Health Care Facility. Faculty direction will be provided for the required paper for this three credit course.

Theology credit total: 21 credit hours

Health Services Administration courses:

- HESA 682 - Hospitals: Structure, Function, Management
- HESA 571 - Healthcare Services in the U.S
- HESA 511 - Managerial Concepts in Health Care Organizations
- HESA 581 - Health Care Legal Aspects
- HESA 515 - Health Care Workforce Strategy
- HESA 583 - Ethical Issues in Health Care

HESA credit total: 15 credit hours

Total credit hours in the program: 36

Admission

To be considered for admission as a degree-seeking graduate student in the Health Care Mission Integration program you must submit the following:

- Completed application with application fee
- One official transcript of all undergraduate and graduate work from accredited colleges or universities
- Results of either the Miller Analogies Test (MAT) or Graduate Record Exam (GRE)
- Two completed recommendation forms--preferably one from someone who can address your academic or professional skills and abilities and one who can address your personal character and suitability for work in health care.
- A statement of reasons and goals for enrolling in this program (1,000-2,000 words)
- Current resume

Your application to the Xavier University graduate program in health care mission integration is carefully reviewed by our admissions committee. We consider each student's application on a case-by-case basis with personal attention given to all your application materials.

Admission criteria include, but are not limited to:

- Preferred undergraduate grade point average of 3.0 or higher on a 4.0 scale.
- Preferred GRE scores of 20th percentile or higher in quantitative section and 50th percentile or higher in the verbal section. Or preferred score of 400 or more on the Millers Analogy Test (MAT).
- Review of the completed file of the applicant.
- A personal interview with Admission Committee Members.

All entering students must have passed an accounting course in an accredited college or university.

For more information, call the Chair of the Theology Department, at 513 745-3026 or email giblin@xavier.edu.

Admissions materials should be sent to the Health Services Administration Department, 3800 Victory Parkway, Cincinnati, OH 45207-7331. To contact that department, please call 513 745-3687 or email xumhsa@xavier.edu. The department's fax is 513 745-4301.

Theology, M.A.

The mission of Xavier's theology program is to provide a first-rate theological education from a Catholic and ecumenical perspective inspired by the documents of the Second Vatican Council and the 35th General Congregation of the Society of Jesus. Accordingly, our mission empowers graduate students to: think theologically, analyze issues from a Catholic and interreligious perspective, act responsibly in the world for the promotion of peace and justice.

Our graduate program in theology provides students with a firm foundation in Christian theology through the study of scripture, tradition and ethics. The program however, is flexible enough to accommodate a wide variety of interests while equipping students with the historical awareness and professional resources necessary to enter or advance in careers such as teaching, ministry or writing; to pursue doctoral work; or to promote their spiritual development.

Because no definite amount of previous study of theology is prerequisite for admission to the program, students may vary considerably in their preparation. Ordinarily, applicants should have a background in the humanities, but each applicant will be considered individually. Students without sufficient undergraduate background in the theology or religious studies will normally be required to take [THEO 501](#) , Intro to the Study of Theology, as a prerequisite for admission to the M.A. program.

All applicants must have a bachelor's degree from a regionally accredited institution with an undergraduate GPA of 2.700 or better. In addition, all applicants must complete the Miller Analogies Test (MAT) prior to acceptance and obtain a score of 406 or higher. The MA in Theology will require satisfactory completion of 30 semester hours of graduate work (i.e. ordinarily ten courses), all of which must be at the graduate (500-800) level.

30 total credit hours are required, as follows:

- THEO 504 - Foundations of Scripture Study
- THEO 520 - Survey of Christian Doctrine I
- THEO 524 - Survey of Christian Doctrine II

One course in ethics, including:

- THEO 506 - Foundation Issues in Christian Ethics
- THEO 540 - Modern Catholic Social Teaching
- THEO 542-545 (Refer to [Course Descriptions](#) .)
- THEO 572 - New Testament Ethics
- THEO 615 - Contemporary Ethical Issues

One course in systematics, including:

- THEO 527
- THEO 595 - Christian Eschatology
- THEO 530-695 (Refer to [Course Descriptions](#) .)

Five graduate-level theology electives selected from:

- THEO 500-695 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.800 cumulative average must be attained in all the graduate credit courses.
- Some students may substitute a 6-hours thesis ([THEO 699](#)) for two of their elective courses. This must be discussed and agreed to with an advisor prior to completion of the first 12 hours of graduate work. The thesis will be read by its director and two additional readers, and it must be defended in a final oral examination. Students who do not write a thesis will be required to 1) submit a research paper demonstrating their mastery of research skills and their ability to synthesize key themes from their coursework into a coherent theological position, or 2) successfully pass a comprehensive examination covering the central subject matter of the graduate program. In both cases, a faculty committee will assess the quality of this final paper or exam.

Two optional concentrations are available, which can be added and incorporated into the program.

Concentration in Social and Pastoral Ministry:

Students engaged in or preparing for professional ministry in church and society may choose to complete this concentration.

Beyond the 30 hours required for the M.A. degree, the concentration requires six additional credit hours in ministry skills courses and a three credit ministerial internship (THEO 690). Two required courses, Theology of Ministry ([THEO 630](#)) and Ethics, Ministry and Ministers (THEO 632), take the place of two M.A. electives.

Concentration in Religious Education:

This is designed to prepare theology students to meet the Archdiocese of Cincinnati's professional requirements for Catholic High School Religion Teacher Certification at the secondary level.

Beyond the 30 hours required for the M.A. degree, the concentration requires at least 15 additional credit hours. This includes Student Teaching for 9 hours from [EDMS 470](#) , along with THEO 538 and [EDMS 550](#) as required courses. Also, a choice of either [EDFD 503](#) or [EDFD 510](#) is required. Note that THEO 538 can double count as an elective in the 30 hours required for the MA Theology degree.

Note(s):

The MA program in Theology invites applications from students with a bachelor's degree and a solid academic record. Admission decisions are based on factors such as past academic performance, standardized test score, interview, and other information submitted.

Further information and application materials may be obtained from the Office of Graduate Services, 312 Elet Hall, 513 745-3360.

College of Social Sciences, Health and Education

College of Social Sciences, Health and Education

The College of Social Sciences, Health, and Education prepares undergraduate and graduate students in the Catholic Jesuit tradition intellectually, morally, and spiritually for careers and professions of service by: Challenging students to strive for academic excellence and life-long learning. Providing applied experiences grounded in theoretical foundations. Promoting collaboration and community partnerships. Incorporating research, scholarship, and innovation. Integrating ethical behavior and a respect for individual differences and diversity.

Degrees, Programs and Block Schedules

The College of Social Sciences, Health, and Education has degree programs in one school with four distinct departments, another school and seven additional departments. The departments in the college include: Criminal Justice, Health Services Administration, Occupational Therapy, Psychology, Radiologic Technology, Social Work, and Sport Studies. And, the School of Education includes four departments: Childhood Education and Literacy, Secondary and Special Education, Educational Leadership and Human Resource Development, and School and Community Counseling. Also, there is the School of Nursing.

Many of the programs within the College of Social Science, Health, and Education are accredited by professional societies and organizations including: CAATE (Commission on Accreditation of Athletic Training Education), CAHME (Commission on Accreditation of Healthcare Management Education), CCNE (Commission on Collegiate Nursing Education), CSWE (Council on Social Work Education), JRCERT (Joint Review Committee on Education in Radiologic Technology), ACOTE (Accreditation Council for Occupational Therapy Education), AMS (American Montessori Society), MACTE (Montessori Accreditation Council for Teacher Education), CACREP (Council for Accreditation of Counseling and Related Educational Programs), and TEAC (Teacher Education Accreditation Council), and NASSM-NASPE (North American Society for Sport Management – National Association of Sport & Physical Education). The doctoral program in clinical psychology is accredited by the APA Office of Program Consultation and Accreditation, 750 First Street, NE, Washington DC 20002-4242, Phone 202-336-5979

Xavier Center for Catholic Education

Xavier University is committed to engaging students intellectually, morally, and spiritually – with rigor and compassion – toward lives of solidarity, service, and success. This is Xavier’s Catholic and Jesuit identity and heritage. The Xavier University Center for Catholic Education (XUCCE) is one way that Xavier specifically promotes its identity and heritage by assisting Catholic schools in the transmission of the faith and the development of Catholic education.

Xavier University, in collaboration with the Archdiocese of Cincinnati Catholic Schools Office, has already developed a most successful pilot program, the Initiative for Catholic Schools, whose professional development programs for Catholic teachers and whose partnerships with neighboring Catholic schools have helped to develop challenging mathematics, science, and technology curricula for participating schools.

The Center’s Goals

- To promote academic achievement and faith formation and to support research and assessment of the effectiveness of Catholic Schools.
- to provide further professional development already exemplified in the Initiative for Catholic Schools by collaborations with other schools and in other subject areas
- to assist Catholic Schools in meeting and exceeding licensure requirements for teachers and administrators
- to provide resources and support in the areas of teacher development, strategic planning, marketing and public relations, financial management, enrollment management, buildings and grounds management, and leadership.

Xavier Center for Excellence in Education

The mission of the Xavier Center for Excellence in Education (XCEED) is to prepare educators who are qualified and committed to providing an outstanding education for their students. Programs emphasize the integration of technology into teaching. This is accomplished through embracing multiple teaching methodologies including constructivism, cooperative learning, and other strategies.

XCEED opened its doors in August 1998. The Center houses facilities for general coursework including mathematics methods, science methods and instructional technology. XCEED offers outstanding professional development programs for in-service educators.

Xavier University has a long history of providing professional development for teachers. XCEED plans, develops, and implements courses and curriculum for teaching all subjects. The Center works collaboratively with local school districts in Southwest Ohio and Northern Kentucky to meet the needs of teachers and students.

Criminal Justice

The Department of Criminal Justice offers these degrees and programs:

The Bachelor of Science in Criminal Justice (with option of Criminalistics concentration)
The Criminal Justice minor
The Corrections minor
The Associate degree in Criminal Justice
The Associate degree in Corrections
The Master of Science in Criminal Justice

For information on the associate degree, contact the Center for Adult and Part time Students (CAPS) or the department.

Bachelor of Science

Criminal Justice, B.S.

The curriculum for Criminal Justice majors who are preparing for careers is designed to provide concepts, skills, and attitudes necessary for functioning with competence and conscience. For non-career students, a wider knowledge of important issues required for involved and informed citizen participation in the criminal justice system and its operations is acquired, along with ethical considerations related to concepts of justice in contemporary society.

Requirements for the Criminal Justice Major

Undergraduate Core Curriculum: 64 Credit Hours

See [Undergraduate Core Curriculum for details](#).

Criminal Justice Core: 39 Credit Hours

Required Criminal Justice Courses: 30 Credit Hours

- CJUS 101 - Introduction to Criminal Justice (Also fulfills a Social Science Core requirement.)
- CJUS 102 - Introduction to Law Enforcement
- CJUS 103 - Introduction to Corrections
- CJUS 206 - Criminology
- CJUS 210 - Basic Constitutional Law & American Justice
- CJUS 240 - Criminal Law
- CJUS 381 - Methods of Research in Criminal Justice
- CJUS 391 - Practicum / Ethics
- • CJUS 482 Planned Change in Criminal Justice
- CJUS 489 Senior Seminar/Capstone

Criminal Justice Electives: 9 Credit Hours

- CJUS 103-499 (Refer to [Course Descriptions](#) .)

General Electives: 17 Credit Hours

Electives can be chosen to meet each student's individual needs. The criminal justice advisor will be available to assist in this process.

Note(s):

- A 2.000 cumulative average must be attained in these criminal justice major courses.
- [CJUS 391](#) , Practicum in Criminal Justice, consists of supervised placement in criminal justice agencies, and [CJUS 381](#) , Methods of Criminal Justice Research, provides exposure to applied research in the subject area.
- Criminalistics *Concentration* is an optional addition to the major, and it must be declared by the student to the department. As part of major, these 15 hours of criminal justice courses must be completed: [CJUS 101](#) , [CJUS 102](#) , [CJUS 239](#) , [CJUS 439](#) and [CJUS 449](#) .

TOTAL REQUIRED for B.S. DEGREE: 120 Credit Hours

B.S. Criminal Justice

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- • History I Elective (3)
- THEO 111 - Theological Foundations
- • Foreign Language Elective (3)
- • Science Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (15)

Second Semester

- • History II Elective (3)
- CJUS 101 - Introduction to Criminal Justice
- • Foreign Language Elective (3)
- • Science Elective (3)

- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- CJUS 103 - Introduction to Corrections
- CJUS 102 - Introduction to Law Enforcement
- • Mathematics Elective (3)
- • Literature Elective (3)
- • Cultural Diversity Elective (1)
- Theology Scripture/History or Theology Christ. Sys. Elective (3)

Total (16)

Second Semester

- CJUS 206 - Criminology
- PHIL 290 - Theory of Knowledge
- • Social Science Elective (3)
- • Mathematics Elective (3)
- • Fine Arts Elective (3)

Total (15)

Junior Year

First Semester

- • Theology Ethics or Rel/Cult Elective (3)
- Criminal Justice Elective (3)
- CJUS 210 - Basic Constitutional Law & American Justice
- • Social Science Elective (3)
- General Elective (3)

Total (15)

Second Semester

- CJUS 240 - Criminal Law
- CJUS 381 - Methods of Research in Criminal Justice
- • General Elective (3)

- ENGL 205 - Literature & Moral Imagination
- or CLAS 205 - Classical Literature & Moral Imagination
- or SPAN 205 - Hispanic Literature & Moral Imagination
- • Science Elective (3)

Total (15)

Senior Year

First Semester

- CJUS 391 - Practicum / Ethics
- • CJUS 482 Planned Change in Criminal Justice
- Criminal Justice Elective (3)
- Philosophy Elective (3)
- E/RS Focus Elective* (3)

Total (15)

Second Semester

- CJUS 489 Senior Seminar/Capstone (3)
- Criminal Justice Elective (3)
- General Electives (8)

Total (14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Associate of Science

Corrections, A.S.

Undergraduate core curriculum requirements:

28 hours credit hours

Concentration requirements:

18 credit hours, as follows:

15 hours of corrections courses from:

- CJUS 101 - Introduction to Criminal Justice
- CJUS 230 - Legal Aspects of Corrections
- CJUS 243 - Correctional Counseling & Communication
- CJUS 321 - Juvenile Justice
- CJUS 336

3 additional hours must be selected from either:

- CJUS 103 - Introduction to Corrections or
- CJUS 364 - Overview of Contemporary Corrections

Note(s):

- A 2.000 cumulative average must be attained in these corrections courses.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Criminal Justice, A.S.

Undergraduate Core Curriculum Requirements:

28 credit hours

Concentration requirements:

15 credit hours, as follows:

12 hours of criminal justice courses from:

- CJUS 101 - Introduction to Criminal Justice
- CJUS 210 - Basic Constitutional Law & American Justice
- CJUS 260 - Current Issues in Criminal Justice
- CJUS 321 - Juvenile Justice

3 hours of electives chosen from:

- CJUS 102 - Introduction to Law Enforcement
- CJUS 243 - Correctional Counseling & Communication
- CJUS 332
- CJUS 364 - Overview of Contemporary Corrections

Note(s):

- A 2.000 cumulative average must be attained in these criminal justice courses.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Minors

Corrections Minor

18 total credit hours are required, as follows:

15 hours from:

- CJUS 101 - Introduction to Criminal Justice
- CJUS 230 - Legal Aspects of Corrections
- CJUS 243 - Correctional Counseling & Communication
- CJUS 321 - Juvenile Justice
- • CJUS 336

3 additional hours must be selected from either:

- CJUS 103 - Introduction to Corrections or
- CJUS 364 - Overview of Contemporary Corrections

Note(s):

- A 2.000 cumulative average must be attained in these criminal justice courses.

Criminal Justice Minor

15 total credit hours are required, as follows:

12 hours from:

- CJUS 101 - Introduction to Criminal Justice
- CJUS 210 - Basic Constitutional Law & American Justice
- CJUS 321 - Juvenile Justice
- CJUS 381 - Methods of Research in Criminal Justice

3 additional hours must be selected from either:

- CJUS 102 - Introduction to Law Enforcement or
- CJUS 103 - Introduction to Corrections

Note(s):

- A 2.000 cumulative average must be attained in these courses.

Master of Science

Criminal Justice, M.S.

The mission of the Department of Criminal Justice is to equip Master of Science students with the competence and conscience needed to (a) function and/or advance professionally in criminal justice agencies or (b) pursue further graduate work in criminal justice or related fields.

The Master of Science in criminal justice program is designed for those persons who are interested in studying the theory and practice of criminal justice in law enforcement, courts and corrections. Students complete a program of study designed to raise important questions, present state-of-the-art conceptual information, and impact attitudes and human skills. The program will lead a student to an understanding of the dynamics of criminal and delinquent behavior, the nature and scope of the crime and delinquency complex in contemporary society, and the current efforts by the criminal justice system to address these issues.

The program is designed for working professionals, those seeking to prepare for entrance into the field, and others interested in acquiring knowledge of the problems and practices within the criminal justice complex. Courses are offered during the evenings for the convenience of part-time students.

The degree of Master of Science in Criminal Justice will be awarded only to candidates who have successfully completed 30 credit hours -- this includes internship and research requirements. A comprehensive written exam on the general field of criminal justice, based on the required courses, is required at the conclusion of the program. Also, an overall graduate level grade point average of 2.800 must be attained.

The 30 credit hours are distributed as follows:

Basic required courses:

24 hours

- CJUS 606 - Criminology
- CJUS 611 - Law & Justice in America
- CJUS 620 - Sociology of Crime & Delinquency
- CJUS 621 - Juvenile Justice
- CJUS 642 - Criminal Justice Administration
- CJUS 683 - Research & Planning in Criminal Justice
- CJUS 784 - Research Essay: Seminar
- CJUS 792 - Internship

Electives:

6 hours

Note(s):

- In addition to the core courses, [CJUS 610](#) Basic Constitutional Law and American Justice (3) is strongly encouraged for students without a previous constitutional law background. This course and/or previous constitutional law knowledge is a pre-requisite to [CJUS 611](#) Law and Justice, and can be used toward the elective requirements. Students will be guided by their advisor in appropriate selection of criminal justice or other approved courses to bring the total number of hours for the degree to 30.
- The MS program in Criminal Justice invites applications from students with a bachelor's degree and a solid academic record. Admission decisions are based on factors such as past academic performance, standardized test score, and other information submitted. Applications for this program are accepted throughout the year. A student may begin the program in the summer, fall, or spring term.

Counseling

The Department of Counseling offers the Master of Arts in Community Counseling and the Master of Arts in School Counseling. Community Counseling meets the educational requirements for licensure as a professional clinical counselor, while School Counseling is a professional degree designed to meet the educational requirements for licensure as a school counselor. Degree and licensure offerings are designed to meet the academic preparation standards required by the Ohio Department of Education or the Ohio Counselor, Social Worker, and Marriage and Family Therapist Board. Both programs are fully accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

Go to <http://www.xavier.edu/education/counseling.cfm> to reference more information and admission requirements.

Master of Arts

Community Counseling, M.A.

The Master of Arts degree with a concentration in Community Counseling is a professional degree designed to meet the academic requirements for the Ohio Professional Counselor (PC) license. The Program is also accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Accordingly, this degree is awarded to the candidate who has demonstrated a capacity for professional performance by satisfactorily completing the course of study. Students will learn the theory and practice of counseling and be able to apply counseling skills in a knowledgeable and skilled manner to areas such as appraisal, lifestyle and career development, counseling theory, group process, professional, and clinical issues.

Requirements for M.A. in Community Counseling

60 total credit hours are required. The sequence of courses is arranged in five groups.

Students should complete most of each group before proceeding to the next group.

Group I (12 credit hours):

- EDCO 501 - Lifespan Development
- EDCO 533 - Counseling Theories & Techniques
- EDCO 536 - Group Process
- EDCO 636 - Career Counseling

Group II (8 credit hours):

- EDCO 631 - Counseling Issues and Ethics
- EDCO 640 - Family Relations
- EDCO 579 - Psychological & Achievement Testing
- EDCO 630 - Introduction to Mental Health Counseling

Group III (9 credit hours):

- EDCO 509 - Counseling Research Methods
- EDCO 669 - Counseling Practicum I
- EDCO 638 - Cross-Cultural Counseling
- EDCO 765 - Crisis Counseling

Group IV (11 credit hours):

- EDCO 773 - Counseling Practicum II
- EDCO 642 - Consultation and Supervision
- EDCO 764 - Counseling and Psychotherapy
- Electives (2)

Group V (20 credit hours):

This is the Clinical sequence which should follow the completion of *Groups I-IV*.

- EDCO 671 - Counseling Internship (600 clock hours)
- EDCO 760 - Personality & Abnormal Behavior
- EDCO 761 - Application of Personality Theory to Clinical Populations
- EDCO 762 - Intellectual & Personality Assessment

- EDCO 763 - Diagnosis of Psychopathology
- EDCO 766 - Intervention Skills for Severely Mentally Disabled

School Counseling, M.A.

The Master of Arts degree with a concentration in School Counseling is a professional degree designed to meet the educational requirements for licensure as a school counselor. Accordingly, this degree is awarded to the candidate who has demonstrated a capacity for professional performance by satisfactorily completing the course of study. Students will learn the theory and practice of counseling in the school setting and be able to apply counseling skills in a knowledgeable and skilled manner to areas such as appraisal, lifestyle and career development, counseling theory, group process, and professional issues.

The program is designed to meet specifications of State of Ohio course requirements for school counselor in grades K-12 as well as the requirements for school counselor in the States of Kentucky and Indiana. Further, the M.A. in School Counseling is accredited by the Council for Accreditation of Counseling and Related Educational Programs. (CACREP).

Requirements for the M.A. in School Counseling

48 total credit hours are required. The sequence of courses is arranged in four groups.

Students should complete most of each group before proceeding to the next group.

Group I (20 credit hours):

- EDCO 501 - Lifespan Development
- EDCO 533 - Counseling Theories & Techniques
- EDCO 536 - Group Process
- EDCO 537 - Introduction to School Counseling
- EDCO 579 - Psychological & Achievement Testing
- EDCO 636 - Career Counseling
- EDAD 660 - Curriculum Design & Teaching Strategies

Group II (8 credit hours):

- EDCO 509 - Counseling Research Methods
- EDCO 631 - Counseling Issues and Ethics
- EDCO 638 - Cross-Cultural Counseling
- EDCO 640 - Family Relations

Group III (7 credit hours):

- EDCO 669 - Counseling Practicum I
- Electives (4)

Group IV (13 credit hours):

- EDCO 642 - Consultation and Supervision
- EDSP 500 - Special Education: Identification & Issues (Note: Students with training in Special Education should consult the department chair prior to enrolling in this course.)
- EDCO 773 - Counseling Practicum II

- EDCO 670 - School Counseling Internship (600 clock hours)

TOTAL: 60 Semester Hours

Health Services Administration

The Department of Health Services Administration offers a Master of Health Services Administration (MHSA) degree. And, in conjunction with the Theology Department, a Master of Arts degree in Health Care Mission Integration is offered.

MA Degree in Health Care Mission Integration

Xavier's graduate program in health care mission integration combines the study of theology with the study of health services administration. This 36 semester hour M.A. program is designed to provide preparation for Mission Directors and others who lead their colleagues in Catholic and other Christian health services to foster and enhance the spirit of love, compassion, and service within these institutions. The program focuses on understanding the Christian tradition and embodying it amidst the challenges of institutional, technological, and cultural change. For program curriculum details, go to the [Theology Department](#) pages in the College of Arts and Sciences.

Master of Health Services Administration

Master of Health Services Administration, M.H.S.A.

Master of Health Services Administration Degree

The Graduate Program in Health Services Administration is committed to meeting the need for effective leadership of the rapidly changing health care system. Academic work and field experiences are designed to provide students with the necessary cutting-edge conceptual, analytical, and interpersonal skills, particularly in the areas of team development, systems improvement, quantitative analysis, information systems, strategic planning, financial strategization, and ethical decision-making. The Graduate Program is accredited by the Commission on Accreditation for Health Management Education (CAHME). Upon graduation, students obtain managerial leadership positions in a variety of health care organizations, including health systems, academic medical centers, community hospitals, managed care organizations, medical group practices, insurance companies, long-term care facilities, public health agencies, consulting firms, and governmental policy-making and regulatory agencies. The 1,500+ members of the Graduate Program's Alumni Association are located throughout the United States and in several foreign countries and provide a broad range of services to graduates throughout their careers.

Admission Requirements

A bachelor's degree from an accredited school is required of all applicants. Students are admitted to the Graduate Program if they are considered academically qualified and are able to demonstrate potential in the development of analytical, creative problem solving, communication, interpersonal, and leadership skills. Students come from a variety of academic backgrounds including health services, psychology, business, natural sciences and general studies.

Go to <http://www.xavier.edu/mhsa/Admission.cfm> to reference the specific admission requirements.

Prerequisites

Prior to matriculation into the Program, incoming students are required to have completed a basic undergraduate or graduate accounting course and a statistic course with a passing grade, no lower than "C." Students are strongly encouraged to have a basic understanding of microeconomics and to be competent with word processing and spreadsheet computer software. Students who have not taken appropriate undergraduate or graduate coursework in these areas may be required to take additional work.

Program Options

The curriculum provides a student with a strong foundation of management, financial and quantitative skills, and enhances your ability to succeed in health care management through course work in areas such as epidemiology, clinical management, ethics, health policy analysis, physician relations, managed care and integrated health delivery systems, population-based planning and provider payment strategies.

The graduate program offers you two options of study:

Full-time:

The full-time option consists of four semesters of classroom study on campus followed by a paid 8-12 month administrative residency experience in a health services facility under the guidance of a preceptor.

Part-Time:

The part-time option is designed to accommodate the needs of working professionals. This program consists of nine consecutive semesters of part-time study on campus and an administrative practicum experience conducted concurrently. The practicum is generally a guided field experience conducted within your place of work.

Note(s):

- Each option of study requires a minimum of 60 credit hours for graduation that includes 50 credit hours of classroom study and 10 credit hours of residency/practicum project and masters project credits.

Curriculum

A total of 60 credit hours must be completed to fulfill the requirements of the MHSA degree: 50 credit hours of didactic coursework and 10 credit hours of administrative residency/ practicum and master's project.

Graduate Program in Health Services Administration

MHSA Degree Option Full-Time Program

(a sample schedule)

Fall Year 1

First Semester

- HESA 601 - Professional Development I
- HESA 511 - Managerial Concepts in Health Care Organizations
- HESA 551 - Management Accounting for Health Care
- HESA 571 - Healthcare Services in the U.S
- HESA 561 - Clinical Processes for Health Care Administration
- HESA 521 - Quantitative Methods for Health Care Management

Total (14)

Spring Year 1

Second Semester

- HESA 602 - Professional Development II
- HESA 567 - Applied Epidemiology in Health Services Administration
- HESA 523 - Quality Improvement Techniques in Health Care Management
- HESA 519 - Strategic Management & Marketing
- HESA 555 - Corporate Finance for Health Care Organizations
- HESA 575 - Health Economics

Total (15)

Fall Year 2

First Semester

- HESA 603 - Professional Development III
- HESA 529 - Information Systems for Health Services
- HESA 559 - Financial Management of Health Care Organizations
- HESA 579 - Health Policy & Policy Analysis
- HESA 581 - Health Care Legal Aspects

Total (11)

Spring Year 2

Second Semester

- HESA 604 - Professional Development IV
- HESA 583 - Ethical Issues in Health Care
- HESA 599 - Integrative Seminar on Health Services Administration
- HESA 515 - Health Care Workforce Strategy
- • Elective * (2)

Total (10)

Summer Year 2 (In Residency)

- HESA 720 - Institution & Community Analysis

Total (2)

Fall Year 3 (In Residency)

- HESA 730 - Practicum in Executive Development I
- HESA 750 - Master's Project I

Total (5)

Spring Year 3 (In Residency)

- HESA 751 - Residency & Master Project II

Total (3)

Note(s):

* Elective coursework may be taken in the Graduate Program, in other departments within Xavier University, and through the Greater Cincinnati Consortium of Colleges and Universities with the chair's approval.

Administrative Residency

The administrative residency provides an eight to twelve month "real world" experience in an organizational setting of the student's own choosing under the preceptorship of senior management. During the residency, students apply the knowledge and skills mastered in the classroom to an administrative work environment. The administrative residency serves as an opportunity not only to learn the actual practice of management, but also for creating mentor relationships.

Master's Project

Each student is required to complete a master's project as a condition for graduation. The project must demonstrate competencies listed in the Master Project Guidelines and reflect an aspect of health systems management of interest to both the student and preceptor, with a final approval from the faculty advisor.

Academic Standing

Students with less than a 3.000 undergraduate grade point average (on a 4.000 scale) will be admitted to the Graduate Program in Health Services Administration on a conditional basis. Conditionally-admitted students who do not achieve a 3.000 graduate grade point average in every course in their first semester are subject to dismissal at the end of that semester. Students with two grades below "B" are subject to dismissal from the MHSA program. A graduate grade point average of 3.000 is required for graduation.

Concurrent Degrees Program

Students have the option of obtaining concurrent master's degrees in Health Services Administration and Business Administration (MHSA/MBA). Normally, one additional semester of study is required provided the student has the appropriate undergraduate business administration coursework. The program of study requires 90 graduate credit hours: 50 credit hours of Health Services Administration coursework, 30 credit hours of MBA coursework plus necessary prerequisites, and 10 credit hours of administrative residency/practicum. Candidates must apply and be accepted to both programs. Upon completion, the student receives two separate degrees.

Long Term Care Administration

Students may pursue a concentration in long-term care administration, which is recognized by the Ohio State Board of Examiners of Nursing Home Administrators as fulfilling the prerequisites for taking the licensure examination. Students electing to take this concentration complete the core course requirements for the MHSA degree and nine credit hours of coursework in long-term care. The concentration requires 67 graduate credit hours, including the required core of didactic coursework plus nine credit hours of long-term care coursework:

- HESA 651 - Aging in Our Society
- HESA 655 - Administration of Agencies Serving Aged
- HESA 659 - Administration of Institutions Serving Aged

Note(s):

Each student is required to complete a minimum eight month administrative residency/ practicum in a long-term care facility and a master's project as a condition for graduation.

School of Nursing

The School of Nursing at Xavier University has as its goal the preparation of professional nurses educated to meet the health care needs of diverse populations in an ever-changing highly technical health care environment. Graduates of Xavier nursing are prepared to practice nursing today and be leaders of tomorrow. The philosophy of the department has always been to prepare nurses to be holistic leaders in healthcare delivery with an educational foundation grounded in Jesuit values.

The School of Nursing offers two prelicensure degrees: the BSN and the Master of Science Nursing: Direct Entry as a Second Degree for individuals with baccalaureate degrees in other disciplines (the MIDAS program).

The Master of Science in Nursing (MSN) degree for registered nurses offers the opportunity to select a concentration in administration, clinical nurse leader, education, forensics, health care law, informatics, or school health nurse (includes school nurse licensure requirements), and dual degrees MSN/MBA, MSN/MEd, and MSN/MSJ.

All students must present evidence of the following **prior to entrance in all clinical courses**:

- Liability insurance (\$2,000,000/\$4,000,000), purchased through the University and billed to student's account.
- Current CPR certification
- Health history and required physical examination form
- MMR immunization
- Yearly tuberculosis skin test (two-step)
- Tdap (Adacel)
- Hepatitis B series
- Proof of current health care coverage
- Verification of history of varicella (chicken pox)

- RN licensure in the United States and in the state in which the student will participate in clinical rotations (required for individuals enrolled in the MSN for registered nurses and the RN-MSN program only). This requirement does not apply to students in the MSN MIDAS program.

Students are responsible for these expenses as well as for uniforms and transportation costs to, from, and while in cooperative teaching units. Students must provide their own transportation between campus and clinical agencies. All students who wish to sit for the National Council Licensure Examination -Registered Nurse (NCLEX-RN) examination will be required to submit their fingerprints to the Bureau of Criminal Identification and Investigation (BCII).

Graduate Nursing Programs

Xavier University offers the following graduate nursing programs:

Master of Science in Nursing for registered nurses with the opportunity to select a concentration in administration, clinical nurse leader, education, forensics, health care law, informatics, or school health nurse (includes school nurse licensure requirements).

MSN/MBA dual degree with the Williams College of Business

MSN/MEd dual degree with the School of Education

MIDAS Master of Science in Nursing; Direct entry as a second degree

Post-Master's Certificate in Clinical Nurse Leader

Go to <http://www.xavier.edu/msn/Admission.cfm> to reference graduate admission requirements.

Master of Science in Nursing: Direct entry as a second degree – the MIDAS program – for individuals with a baccalaureate degree in another discipline.

Go to <http://www.xavier.edu/msn/midas.cfm> to reference MSN MIDAS graduate admission requirements.

Bachelor of Science in Nursing

Nursing, B.S.N.

The Bachelor of Science in Nursing program is designed for the student who is interested in becoming a professional nurse. The graduate is prepared as a generalist to meet the health care needs of diverse populations in an ever-changing, highly technical health care environment. The program is focused on an innovative holistic health and wellness model and educates nurses in the skills of communication, coordination and cooperation with other health care professionals, in a variety of community settings.

Students are able to complete a program of study leading to the degree of Bachelor of Science in Nursing (BSN) in four years. Prelicensure students will be qualified to sit for the NCLEX-RN following their successful completion of the program. All BSN students are eligible to sit for the American Holistic Nurses' Certification examination.

The four-year prelicensure program requires 132 credits for graduation. Xavier's core curriculum requirements complement the innovative nursing curriculum. This well-rounded approach to education enables students to develop critical thinking and communication skills - two qualities essential in today's unpredictable and increasingly complex health care environment. Nursing courses begin during the freshman year.

Go to <http://www.xavier.edu/nursing/Admission.cfm> to reference undergraduate admission requirements.

Undergraduate students can continue their studies upon graduation and after four semesters for full-time study complete a masters degree as an advanced generalist prepared as Clinical Nurse Leaders. A Nursing – Honors option is available for students that can be applied for in the student's junior year, which leads directly to the MSN in Clinical Nurse Leader. Contact the School of Nursing for details and admission criteria.

Requirements for the Nursing Major (Four Year Program)

Undergraduate core curriculum requirements:

64 credit hours, including:

Cultural Diversity:

- NURS 132 - Health and Culture I within the major.

Mathematics:

Take Statistics from either

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- • and earn a "C" or better in each course.

Science:

16 hours from

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- BIOL 200 - Microbiology
- BIOL 201 - Microbiology Lab
- CHEM 150 - Physiological Chemistry
- CHEM 151 - Physiological Chemistry Lab
- • and earn a "C" or better in each course.

Social Sciences:

- PSYC 277 - Abnormal Psychology
- SOCI 101 - Introduction to Sociology or
- SOCI 180 - Culture & Society
- • and earn a "C" or better in each course.

Major requirements:

62 credit hours, as follow

59 hours of nursing courses:

- NURS 130 - Ways of Knowing
- NURS 132 - Health and Culture I
- NURS 224 - Nursing Therapeutics I: Assessment
- NURS 225 - Nursing Therapeutics I: Practicum
- NURS 230 - Nursing Therapeutics II
- NURS 231 - Nursing Therapeutics II Practicum
- NURS 360 - Adult Transitions
- NURS 361 - Adult Transitions Practicum
- NURS 364 - Pathophysiology
- NURS 370 - Introduction to Nursing Research
- NURS 372 - Families in Transitions
- NURS 373 - Families in Transitions Practicum
- NURS 450 - Mental Health Nursing
- NURS 451 - Mental Health Nursing Practicum
- NURS 470 - Community Health Nursing
- NURS 471 - Community Health Nursing Practicum

- NURS 472 - Care of the Complex Client
- NURS 473 - Care of Complex Client Practicum
- NURS 498 - Senior Seminar

3 hours of a nursing elective selected from:

- NURS 400-497 (Refer to [Course Descriptions](#) .)

Note(s):

- A minimum grade of “C” is required in all nursing courses.
- Nursing courses begin in the first year. Courses in the major must generally be taken in a predetermined sequence.
- A cumulative GPA of 2.700 is required to enter the second year nursing courses and to progress in the four year prelicensure program.
- The progression of learning opportunities is based on the foundation of knowledge in prior course work.
- Students seeking transfer admission to Xavier are required to have a minimum cumulative grade point average of 2.700 and are admitted on a space available basis. Applicants from another nursing program will be individually reviewed by school of nursing faculty. These students will be asked to supply additional documentation, such as: course syllabi from completed nursing course work as well as a letter from the chair validating the student is leaving the current nursing program in good standing. Faculty reserve the right to request additional documentation from the student as deemed necessary. [NURS 130](#) , Ways of Knowing, is available during the summer to enable the transfer student to begin sophomore nursing courses. [NURS 132](#) , Health and Culture is offered spring semester of sophomore year for transfer students.

B.S. in Nursing

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 140 - Human Anatomy & Physiology I *
- BIOL 141 - Human Anatomy & Physiology I Lab *
- Foreign Language Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- SOCI 101 - Introduction to Sociology *
- NURS 130 - Ways of Knowing

Total (16)

Second Semester

- BIOL 142 - Human Anatomy & Physiology II *
- BIOL 143 - Human Anatomy & Physiology II Lab *
- Foreign Language Elective (3)
- Mathematics Elective * (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- NURS 132 - Health and Culture I +

Total (16)

Sophomore Year

First Semester

- CHEM 150 - Physiological Chemistry *
- CHEM 151 - Physiological Chemistry Lab *
- English Literature Elective (3)
- THEO 111 - Theological Foundations
- NURS 224 - Nursing Therapeutics I: Assessment
- NURS 225 - Nursing Therapeutics I: Practicum

Total (16)

Second Semester

- NURS 364 - Pathophysiology
- BIOL 200 - Microbiology *
- BIOL 201 - Microbiology Lab *
- PHIL 290 - Theory of Knowledge
- NURS 230 - Nursing Therapeutics II
- NURS 231 - Nursing Therapeutics II Practicum

Total (16)

Junior Year

First Semester

- History I Elective (3)
- MATH 116 - Elementary Statistics ** or
- MATH 156 - General Statistics **
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- NURS 360 - Adult Transitions
- NURS 361 - Adult Transitions Practicum

Total (17)

Second Semester

- • History II Elective (3)
- PSYC 277 - Abnormal Psychology *
- NURS 370 - Introduction to Nursing Research
- NURS 372 - Families in Transitions
- NURS 373 - Families in Transitions Practicum

Total (17)

Senior Year

First Semester

- • Philosophy Elective (3)
- • Fine Arts Elective (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)
- NURS 450 - Mental Health Nursing
- NURS 451 - Mental Health Nursing Practicum
- NURS 470 - Community Health Nursing
- NURS 471 - Community Health Nursing Practicum

Total (17)

Second Semester

- • Theology Ethics or Rel/Cult Elective (3)
- NURS 472 - Care of the Complex Client
- NURS 473 - Care of Complex Client Practicum
- NURS 498 - Senior Seminar
- • Nursing Elective (3)

Total (17)

Note(s):

- * These core courses must be taken in the semester indicated.
- ** Statistics is a prerequisite to [NURS 370](#) , Nursing Research, and may be taken any time prior to spring semester of junior year.
- + This course also fulfills the Cultural Diversity Elective.
- [NURS 450](#) and [NURS 451](#) meet the first five weeks and [NURS 470](#) and [NURS 471](#) meet the following ten weeks of the semester.

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The nursing elective may also be taken any time after the completion of all 200 level nursing courses.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 132 credit hours is required for the degree; and an overall cumulative GPA of at least 2.700 must be attained.
- The nursing elective may be taken any time after the completion of all 200 level nursing courses.
- Each practicum credit is equal to three (3) clock hours per week.
- A pharmacology course is integrated in the content of the nursing theory courses. Students have the opportunity to apply for paid internships through collaborative agreements with selected hospitals on a competitive basis during the summer between the junior and senior year. This internship fulfills the nursing elective. Students may choose to organize their curriculum around a Hispanic focus which is a selection of interdisciplinary courses and selected nursing assignments intended to enhance the student's understanding of, and nursing practice with, the ever-growing Hispanic population.

Dual Degree

MSN/MBA

Xavier University's College of Social Science, Health and Education and Williams College of Business offer an outstanding opportunity for nursing leaders to receive a dual degree in a creative, integrated program that unites these two nationally recognized colleges. More and more nurse administrators are finding the health care industry has become a business that requires both the application of professional nursing and business theories. The joint MSN/MBA program uses a cohort approach, which enhances networking and collegiality among students. Flexible scheduling is an opportunity provided with MBA courses.

This degree requires 56 credits or more depending on the student's choice of courses. Students may be required to take foundational business courses or demonstrate knowledge of the following courses by previous academics, professional credentials or through examination. Two capstone courses measure the accomplishment of each program's objective.

Requirements for the Dual Degree MSN/MBA

Foundation Courses:

- ECON 500 - Microeconomic Analysis
- ECON 501 - Macroeconomics Analysis
- MKTG 500 - Marketing Concepts
- FINC 500 - Corporate Finance
- BUAD 500 - International Business
- MGMT 500 - Managerial Behavior & Skills

Additional Requirements:

Within the dual degree, students are given the opportunity to select elective courses tailored to their area of interest. A total of eight elective credit hours are required to meet the dual degree requirements. Four of these credits are selected from two MBA elective courses. The theory learned in these didactic courses will then be applied to two nursing practicum courses worth two credits each. The combined total of these four MSN/MBA courses will fulfill the eight hour elective requirement.

Nursing Core/Graduate Support (16 semester hours):

- NURS 500 - Health Care Ethics-Nurse Leaders
- NURS 501 - Theoretical Bases for Nursing Practices
- NURS 502 - Nursing Research
- NURS 503 - Epidemiology
- NURS 505 - Health Care Informatics
- NURS 690 - Healthcare Policy-Nurse Leader

MBA Core (21 semester hours):

- ACCT 500 - Foundations of Financial Accounting
- ACCT 501 - Foundations of Managerial Acct
- ACCT 600 - Financial Reporting & Analysis or
- ACCT 601 - Strategic Measure, Eval & Cntrl
- BUAD 600 - Business Law & Ethics
- ECON 600 - Managerial Economics
- FINC 600 - Managerial Finance
- MGMT 600 - Strategy and Organizations
- MGMT 601 - Operational Analysis

Electives (minimum 4 hours):

- MBA Elective (4)

Concentration (6 semester hours):

- NURS 630 - Organizational Behavior for Nursing Leaders
- NURS 632 - Management Processes - Nursing Leaders or
- MGMT 611 - Managerial Communications

Synthesis & Application (4 semester hours):

- NURS 703 - Graduate Nursing Practicum I (6 contact hrs.)
- NURS 705 - Graduate Nursing Practicum II (6 contact hrs.)

Capstone Courses (5 semester hours):

- BUAD 690 - Corporate Governance (MBA) or
- BUAD 691 - Global Strategic Thinking (MBA)
- NURS 797 - Scholarly Project (MSN)

MSN/MEd

The MSN/MEd program at Xavier University is an innovative, integrated program whereby the student will receive two separate degrees -- the Master of Science in Nursing (education concentration) and the Master of Science in Education. This program was developed in response to a community need for nurse educators. The MSN/MEd prepares the graduate to administer and teach in educational settings (e.g., CE providerships, in-service educators and nurse educators).

The curriculum consists of a minimum of 54 semester credit hours. The core courses include theoretical and practical knowledge, which serve as the foundation for advanced nursing education in a variety of roles. Core courses focus on three major themes which are consistent with the philosophy for the graduate program: critical systematic inquiry, professional and personal development, and management of information and resources in a rapidly changing health care environment. The courses in the education concentration emphasize education principles and skills that enhance adult education management and practices.

Requirements for the Dual Degree MSN/MEd

Nursing/Graduate required courses (30 semester hours):

- NURS 500 - Health Care Ethics-Nurse Leaders
- NURS 501 - Theoretical Bases for Nursing Practices
- NURS 502 - Nursing Research
- NURS 503 - Epidemiology
- NURS 505 - Health Care Informatics
- NURS 660 - Adult Learner in Healthcare Organization
- • NURS 662 - Leadership & Management Concepts
- NURS 664 - Teaching Strategies
- • NURS 668 - Roles of Nursing Faculty or
- • NURS 670 - Roles of Corporate/Staff Educator
- NURS 690 - Healthcare Policy-Nurse Leader
- NURS 754 - Leadership and Management Concepts For Nurse Leaders

MEd Courses required (9 semester hours):

- EDFD 501 - Philosophy of Education or
- EDFD 502 - History of American Education
- EDFD 503 - Advanced Educational Psychology or
- EDFD 510 - Advanced Human Development & Learning
- EDAD 660 - Curriculum Design & Teaching Strategies

Education Electives (9 semester hours) from the following courses:

- EDAD 543 - Supervision of Instruction
- EDAD 562 - Political Structure & Public Relations
- EDAD 564 - Administration of Staff Personnel
- EDAD 565 - School Law I
- EDAD 570 - Policy Planning & Evaluation
- EDAD 572 - Educational Technology
- • EDAD 600 - Curriculum Design & Teaching Strategies

- *(required for School Health Nurse concentration)*

- EDFD 504 - Psychological & Learning Theory & Practice
- EDFD 505 - Educational Administration
- • EDFD 512 - Psychology for Learning and Tech
- EDSP 500 - Special Education: Identification & Issues

- *(required for School Health Nurse concentration)*

Synthesis & Application (6 semester hours):

- NURS 703 - Graduate Nursing Practicum I (6 contact hrs.)
- NURS 705 - Graduate Nursing Practicum II (6 contact hrs.)
- NURS 797 - Scholarly Project

MSN/MSCJ

The MSN/MSCJ program at Xavier University is an integrated program, whereby the student will receive two separate degrees -- the Master of Science in Nursing (forensic concentration) and the Master of Science in Criminal Justice. The Master of Science in Nursing (MSN) program at Xavier University provides nurses

with the opportunity to obtain advanced level preparation in nursing science. Graduates of the program are prepared to assume professional leadership roles that encompass educational, consultative, and managerial functions. They are prepared to design and establish delivery services in response to current health care policy changes. This integrated MSN/MSCJ program was developed to compliment the forensics concentration of the MSN program. Graduates are prepared to function in non-traditional roles within the criminal justice system and address the changing needs of the nation to prepare nurses in bioterrorism and disaster planning.

The curriculum consists of a minimum of 46 semester credit hours. The core courses include theoretical and practical knowledge, which serve as the foundation for advanced nursing practice. Core courses focus on three major themes which are consistent with the philosophy for the graduate programs: critical systematic inquiry, professional and personal development, and management of information and resources in a rapidly changing health care environment. Additional courses in the MSN/MSCJ dual degree concentration emphasize forensic and criminal justice principles and skills that enhance the variety roles in nursing forensics and criminal justice in which graduates may be employed.

Requirements for the Dual Degree MSN / MSCJ

Nursing/Graduate required courses (21 semester hours):

- NURS 500 - Health Care Ethics-Nurse Leaders
- NURS 501 - Theoretical Bases for Nursing Practices
- NURS 502 - Nursing Research
- NURS 503 - Epidemiology
- NURS 505 - Health Care Informatics
- NURS 754 - Leadership and Management Concepts For Nurse Leaders
- CJUS 621 - Juvenile Justice

Concentration (18 semester hours):

- CJUS 439 - Criminalistics II
- CJUS 606 - Criminology
- CJUS 610 - Basic Constitutional Law & American Justice
- CJUS 642 - Criminal Justice Administration
- NURS 642 - Psycho/Social/Legal Forensics
- NURS 648 - Foundations of Forensic Nursing

Synthesis & Application (7 semester hours):

- CJUS 792 - Internship
- NURS 705 - Graduate Nursing Practicum II (6 contact hrs.)
- NURS 797 - Scholarly Project

License

School Nurse Licensure

The School of Nursing at Xavier University offers school nurse licensure to registered nurses with a baccalaureate degree in nursing or in a related field. This program will prepare the student to become licensed as a school nurse in the State of Ohio.

Curriculum:

- NURS 502 - Nursing Research
- NURS 520 - School Health Nursing
- EDAD 600 (3)
- EDSP 500 - Special Education: Identification & Issues
- NURS 703 - Graduate Nursing Practicum I (6 contact hrs.)
- NURS 705 - Graduate Nursing Practicum II (6 contact hrs.)
- NURS 707 - School Nurse Practicum (9 contact hrs.)

Total (19)

Prerequisites:

Applicants for licensure must meet the following minimum criteria.

The applicant must:

- Hold a baccalaureate degree in nursing or a related field.
- Be a licensed registered nurse in the United States. Applicants must be licensed in the state in which they will participate in clinical experiences.
- Have completed an undergraduate course in statistics prior to admission.

Note(s):

- Go to <http://www.xavier.edu/msn/School-Nurse-Licensure.cfm> to reference admission requirements.

Master of Science in Nursing

MIDAS Program

The Master of Science in Nursing: Direct Entry as Second Degree, the (MIDAS) program, at Xavier University is designed for mature, goal-directed individuals who have a bachelor degree in a discipline other than nursing who desire to be a licensed registered nurse (RN). The twenty month MIDAS program is a five-semester (including one summer), fulltime program of study. Upon successful completion of the program, the student is eligible to sit for the National Council Licensure Exam-Registered Nurse (NCLEX-RN). The student will graduate with a Master of Science in Nursing (MSN).

The MIDAS program is futuristic in including the new clinical nurse leader (CNL) role within this generic master's program. The clinical nurse leader is an innovative nursing model developed by the American Association of Colleges of Nursing to prepare graduate nurse leaders for reforming the health care delivery system and putting best practice into action. All MIDAS graduates are eligible to sit for the American Holistic Nurses' Certification examination.

Curriculum

The MIDAS program requires five semesters (two academic years plus one summer) of full-time study.

Listed below is the recommended curriculum for the program.

First Semester (Fall) Semester Hours

- NURS 550 - Nursing Perspectives I
- NURS 501 - Theoretical Bases for Nursing Practices
- NURS 502 - Nursing Research
- NURS 552 - Art & Science of Nursing
- NURS 553 - Art & Science of Nursing Practicum
- NURS 554 - Essentials of Pathophysiology

Total (18)

Second Semester (Spring) Semester Hours

- NURS 560 - Nursing Perspectives II
- NURS 562 - Art and Science of Family Nursing
- NURS 563 - Art and Science of Family Nursing Practicum
- NURS 564 - Art and Science of Adult Nursing
- NURS 565 - Art and Science of Adult Nursing Practicum

Total (15)

Third Semester (Summer) Semester Hours

- NURS 650 - Art and Science of Advanced Nursing
- NURS 651 - Art and Science of Advanced Nursing Practicum
- NURS 652 - Art and Science of Psychiatric Nursing
- NURS 653 - Art and Science of Psychiatric Nursing Practicum
- NURS 654 - Advanced Pharmacology
- NURS 656 - Advanced Pathophysiology

Total (16)

Fourth Semester (Fall) Semester Hours

- NURS 750 - Nursing Perspectives III
- NURS 503 - Epidemiology
- NURS 752 - Community Nursing/Public Health Policy
- NURS 753 - Community Nursing/Public Health Policy Practicum
- NURS 754 - Leadership and Management Concepts For Nurse Leaders

Total (15)

Fifth Semester (Spring) Semester Hours

- NURS 850 - Nursing Perspectives IV
- NURS 500 - Health Care Ethics-Nurse Leaders
- NURS 852 - Leadership for Quality
- NURS 854 - Advanced Informatics
- NURS 851 - Leadership Practicum

Total (15)

Note(s):

- Each practicum credit hour is equal to 4 clock hours per week.
- Total credit hours required for the MIDAS program is 79 semester credit hours

Nursing (Clinical Nurse Leader), M.S.N.

The MSN Clinical Nurse Leader (CNL) concentration will prepare registered nurses to assume roles as advanced generalists who deliver nursing care at the point of care. This role, the Clinical Nurse Leader, is a national initiative developed by the American Association of Colleges of Nursing (AACN) in 2004 to address fragmentation in health care delivery. The CNL role is a proactive, integrative and comprehensive role that assists direct care providers in bringing the best of health care science and practice to the point of care.

In an effort to provide graduate opportunities for registered nurses outside of Greater Cincinnati, the School of Nursing offers the MSN clinical nurse leader concentration to nurses at distant sites via video conference technology. Students enter as a cohort each fall through partnerships established between Xavier University and selected health care facilities. These students follow the same sequence of classes as on campus MSN students. Video conference equipment allows the off campus cohort to have real time interaction with faculty and students in a synchronized Xavier classroom.

The MSN CNL concentration requires a total of 43 credit hours. The program can be completed with full-time study in four semesters or parttime study in seven semesters.

For individuals with a bachelor's degree in another discipline who wish to become registered nurses, Xavier University offers the Master of Science in Nursing: Direct Entry as a Second Degree (the MIDAS program). This program incorporates the CNL role.

Requirements for the MSN degree (Clinical Nurse Leader)

Nursing Core

(12 semester hours)

- NURS 501 - Theoretical Bases for Nursing Practices
- NURS 502 - Nursing Research
- NURS 503 - Epidemiology
- • NURS 556 (3)

Graduate Support

(8 semester hours)

- NURS 500 - Health Care Ethics-Nurse Leaders
- NURS 690 - Healthcare Policy-Nurse Leader
- NURS 754 - Leadership and Management Concepts For Nurse Leaders

Other Required Courses

(23 semester hours)

- • NURS 602 (3)
- • NURS 658 (3)
- • NURS 680 (3)
- • NURS 692 (3)
- • NURS 756 (3)

- NURS 851 - Leadership Practicum
- NURS 852 - Leadership for Quality

Note(s):

- A total of 43 credit hours is required for the CNL concentration, with a minimum overall cumulative GPA of 3.000.

Nursing, M.S.N.

The Master of Science in Nursing (MSN) program at Xavier University provides registered nurses with the opportunity to obtain advanced level preparation in nursing science. Graduates of the program are prepared to assume professional leadership roles that encompass educational, consultative, and managerial functions. They are prepared to design and establish delivery services in response to current health care policy changes.

A minimum of 36 semester hours is required to complete the Master of Science in Nursing for registered nurses. Students may choose to specialize their masters in an area of concentrated study. Regardless, if a concentration is selected, all students complete nursing core, graduate support and synthesis/application courses as listed below.

Requirements for the MSN degree

Nursing Core (12 semester hours)

- NURS 501 - Theoretical Bases for Nursing Practices
- NURS 502 - Nursing Research
- NURS 503 - Epidemiology
- NURS 505 - Health Care Informatics

Graduate Support (8 semester hours)

- NURS 500 - Health Care Ethics-Nurse Leaders
- NURS 690 - Healthcare Policy-Nurse Leader
- NURS 754 - Leadership and Management Concepts For Nurse Leaders

Synthesis & Application (6 semester hours)

- NURS 703 - Graduate Nursing Practicum I (6 contact hrs.)
- NURS 705 - Graduate Nursing Practicum II (6 contact hrs.)
- NURS 797 - Scholarly Project

Concentration (Minimum of 10 semester hours)

Select from concentration choices of Administration, Education, Forensics, Health Care Law, Informatics, or School Health Nurse.

Nursing Administration:

- NURS 630 - Organizational Behavior for Nursing Leaders
- NURS 632 - Management Processes - Nursing Leaders
- NURS 636 - Financial Management for Nursing Management
- • A guided elective course

Nursing Education:

- NURS 660 - Adult Learner in Healthcare Organization
- • NURS 662 (3)
- NURS 664 - Teaching Strategies
- • NURS 668 (3) or
- • NURS 770 (3)

Forensics:

- NURS 642 - Psycho/Social/Legal Forensics
- NURS 648 - Foundations of Forensic Nursing
- CJUS 439 - Criminalistics II or
- CJUS 449 - Criminalistics III
- • A guided elective course

Health Care Law:

- NURS 610 - Liability Health Care Organization/Profession
- NURS 611 - Med-Lgl Rsrch, Writing & Presn
- NURS 642 - Psycho/Social/Legal Forensics
- HESA 581 - Health Care Legal Aspects

Nursing Informatics:

- NURS 630 - Organizational Behavior for Nursing Leaders
- NURS 632 - Management Processes - Nursing Leaders
- • NURS 692 (3) or
- • NURS 854 (3)
- • A Special Topics course or Certification Exam Review.

School Health Nurse:

- NURS 520 - School Health Nursing
- EDAD 660 - Curriculum Design & Teaching Strategies
- EDSP 500 - Special Education: Identification & Issues
- • A guided elective course

Note(s):

- A total of 36 credit hours is required, with a minimum overall cumulative GPA of 3.000.

RN to MSN Program

The RN to Masters curriculum at Xavier University is designed for experienced registered nurses who are goal directed leaders and seek a high quality program that efficiently meets their need to obtain a MSN degree in a timely manner. Students in this program are registered nurses without a baccalaureate degree in any field, but have a minimum of two years of full-time nursing practice as registered nurses. Applicants must demonstrate leadership potential, motivation, specific career goals and an excellent academic record. It is expected applicants will already have completed foundational courses in their basic training prior to entering the program. These courses would include content in the following areas: anatomy and physiology, microbiology, chemistry, sociology, general psychology, developmental psychology, English composition and health assessment skills. Foundational content will be validated through the portfolio.

Registered nurses applying to the MSN or RN to MSN program must be graduates of a nursing program accredited by the National League for Nursing (NLN) or Commission on Collegiate Nursing Education (CCNE) and if graduates of an associate degree academic program be graduates of a college or university accredited by the Commission on Institutions of Higher Education from one of the six regional accrediting bodies of MSA, NASC, NCA, NEASC, SACS, or WASC.

Students enrolled in the RN to MSN program complete 23 semester hours of prerequisite courses. These prerequisite courses build upon previous education and are required as preparation for the graduate program. Once prerequisites are met, students may matriculate into the graduate program. Admission to the graduate courses is contingent upon completion of all prerequisite courses and a minimum 3.000 cumulative grade point average in courses completed at Xavier.

All RN to MSN students are eligible to sit for the American Holistic Nurses' Certification examination.

RN to MSN Program Prerequisite Courses:

- Statistics (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- THEO 111 - Theological Foundations
- ENGL 101 - English Composition *
- NURS 325 - Health & Culture II
- NURS 442 - Nursing & Community Health
- NURS 443 - Nursing Practice & Application II (6 contact hrs.)
- NURS 496 - Professional Development II

Note(s):

* [ENGL 101](#) may be waived based on review of student's writing skills and/or completion of an English Composition course within the last five years. The MSN program consists of a total of 36 semester hours. This information is listed under "[Graduate Nursing Programs](#)."

Post Master's Certificate

Clinical Nurse Leader Post Master's Certificate

This certificate program is designed for the student who is a registered nurse with an earned master's degree in nursing who wants to add the certification as a Clinical Nurse Leader (CNL). This program will prepare registered nurses to assume roles as advanced generalists who deliver nursing care at the point of care. This role, the Clinical Nurse Leader, is a national initiative developed by the American Association of Colleges of Nursing (AACN) in 2004 to address fragmentation in health care delivery. The CNL role is a proactive, integrative and comprehensive role that assists direct care providers in bringing the best of health care science and practice to the point of care.

Specifically this program will allow those nurses with an earned master's degree:

- To complete coursework required for the CNL
- To take the CNL certification exam
- To receive documentation of the work on an official Xavier University academic transcript

Requirements for Post Master's Certificate in Clinical Nurse Leader:

Semester 1:

- NURS 556 - Intro to CNL for RNs (3)

Semester 2:

- NURS 602 - Applying CNL Concepts for RNs (3)
- NURS 658 - Advanced Clinical Pharmacology (3)

Semester 3:

- NURS 680 - Advanced Pathophysiology for RNs (3)
- NURS 756 - Advanced Health Assessment for RNs (3)

Semester 4:

- NURS 853 - Leadership Practicum (to include scholarly project) (6)

Note(s):

- A total of 21 credit hours is required, with a minimum overall cumulative GPA of 3.000.

Occupational Therapy

The Department of Occupational Therapy offers an entry-level Master of Occupational Therapy (MOT) degree. The Occupational Therapy Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220, phone 301 652-2682, www.aota.org. Graduates of the program will be eligible to take the national certification examination for the occupational therapist administered by the National Board for the Certification in Occupational Therapy (NBCOT) located at 12 South Summit Avenue, Suite 100, Gaithersburg, MD 20877-4150, phone 301 990-7979, www.nbcot.org. Upon successful completion of this exam (and meeting all other NBCOT application requirements), the individual is able to hold the title of occupational therapist, registered (OTR). Most states have specific additional credentialing requirements (e.g., licensure, registration) in order to legally practice in that state. All state credentialing bodies require a passing score on the NBCOT certification examination. A felony conviction may affect a graduate's ability to sit for the certification examination or attain state licensure.

Occupational Therapy

Occupational therapy (OT) is a health-care profession that uses occupation, or meaningful activity, to help people achieve independence and lead productive and satisfying lives. Occupational therapists form a dynamic and collaborative partnership with service recipients in order to support their maximal participation in societal roles. The uniqueness of occupational therapy lies in the recognition and appreciation of the importance of day-to-day occupations that are used to positively influence one's health and well-being. People of all ages who have difficulty performing daily activities due to physical, psychological, emotional, or developmental problems can benefit from occupational therapy services on an individual basis or as members of a group or community.

Occupational therapy practitioners are skilled professionals whose education includes the study of human growth and development with specific emphasis on the social, emotional, and physiological effects of illness and injury and the concomitant benefits of engagement in occupation. Occupational therapists need to be people-focused as well as art- and science-oriented. They must be well-educated in the functions of mind, body, and spirit.

Departmental Admission Requirements

To apply to the MOT program, a student must first obtain a bachelor degree. A bachelor degree may be obtained from Xavier in which case a Bachelor of Liberal Arts (BLA) with Human Occupation Studies (HOCS) concentration is offered. A bachelor degree may be obtained from another accredited university in which case entry to the MOT program requires completion of all pre-MOT requirements. Admission to the HOCS courses is open to all Xavier students but enrollment is limited. Registration for the HOCS courses is approved by the occupational therapy department in the order of admission date to Xavier; students wait-listed are

ranked according to incoming GPA. Prior to Registering for Human Occupation Studies Concentration (HOCS) Courses: Documented exposure to the field of occupational therapy is required prior to taking the HOCS courses. This is accomplished through volunteer or paid work experiences in an occupational therapy clinic or work setting. A minimum of 40 hours supervised experience (a total of 20 hours at each of two different facilities) is required. Complete two Volunteer/Work Experience forms. Each form must be completed by a fully credentialed occupational therapy practitioner who has supervised the student. The supervisor may not be a relative or personal friend. No photocopies of the form will be accepted. Only two forms will be accepted. Additional forms and/or letters of recommendation will not be considered. Forms are sent directly to Graduate Services at Xavier.

Go to <http://www.xavier.edu/ot/BLA-to-MOT-admission.cfm> to reference all the admission requirements for students obtaining a BLA degree from Xavier.

Go to <http://www.xavier.edu/ot/Pre-MOT-to-MOT-admission.cfm> to reference all the admission requirements for students who have a bachelor degree from another accredited university.

Other Requirements

Upon acceptance into the MOT program, students are required to complete all graduate courses (MOCT courses) with a minimum cumulative grade point average of 3.000 (on a 4.000 scale). Student membership into the American Occupational Therapy Association (AOTA) is also required. The mission of the AOTA "advances the quality, availability, use, and support of occupational therapy through standard-setting, advocacy, education and research on behalf of its members and the public" (American Occupational Therapy Association, 2000). Prior to beginning Level I and Level II Fieldwork, students must show evidence of malpractice liability insurance (\$2,000,000/\$4,000,000). Liability insurance is mandatory and provided through the University. Students are billed through the University when they register for courses that include a fieldwork experience. The University has negotiated a favorable group rate for enrolled occupational therapy students. All students must also have current CPR certification; hepatitis B immunization; measles, mumps, and rubella (MMR) immunizations; annual tuberculosis (TB) test; annual history and physical exam; and annual Universal Precautions and HIPAA training; and criminal background check in order to participate in all fieldwork experiences. Level II Fieldwork courses must be completed within 24 months of the academic coursework on campus.

Bachelor of Liberal Arts

Bachelor of Liberal Arts to Master of Occupational Therapy (B.L.A. to M.O.T.)

To complete the MOT degree, students will initially obtain a BLA with a concentration in Human Occupation Studies and a University approved minor or second concentration. The BLA will be obtained upon completion of the first semester of the 4th year. Graduate coursework will begin second semester of the fourth year, and continue during the 5th year. It will culminate in a 6 month, post academic internship; the entire course of study spans 5 ½ years. Transfer students who are certified occupational therapy assistants may receive transfer credit for some of the BLA requirements depending on the articulation agreement worked out with the occupational therapy assistant program previously attended.

Requirements for the BLA to MOT

Note(s):

For each specific course listed (with the exception of [PSYC 101](#)), a grade of "C" or better is required.

Undergraduate core curriculum requirements:

64 credit hours, including

English Composition:

- ENGL 115 - Rhetoric

Mathematics:

- MATH 156 - General Statistics
- MATH 158 - General Statistics II

Science:

8 hours from:

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab

3 hours from:

- PHYS 140 - Technical Physics and
- PHYS 142 - Technical Physics Lab
- or
- PHYS 161 - Introductory Physics Lab I

Social Sciences:

- PSYC 101 - General Psychology
- PSYC 231 - Developmental Psychology

Upper Division Studies Requirement:

38 credit hours of upper division work, as follows:

Complete 23 hours from:

- HOCS 301 - Human Occupation Across Lifespan
- HOCS 303 - Technology for Life Participation I
- HOCS 321 - Analysis of Occupational Performance
- HOCS 323 - Occupational Justice I: Foundations
- HOCS 401 - Transformative Nature of Occupation
- HOCS 403 - Creative & Systematic Inquiry I
- HOCS 405 - Occupational Justice II: Independent Study
- HOCS 411 - Conditions Influencing Participation

Note(s):

- These HOCS courses are required for the Concentration in Human Occupation Studies (HOCS).
- Complete at least 15 hours in a required Minor or a 2nd concentration within the BLA.

Additional OT requirements:

6 hours of Neuroscience and Kinesiology from:

- BIOL 204 - Functional Neuroscience
- ATTR 386 - Advanced Kinesiology
- ATTR 387 - Advanced Kinesiology Lab

3 hours of Bioethics from:

- PHIL 329 - Bioethics (can be taken as the required Philosophy elective course in the undergraduate core)

Note(s):

- A minimum of 120 credit hours is required for the BLA degree; and an overall cumulative GPA of at least 3.000 must be attained.

Bachelor of Liberal Arts (BLA) to Master of Occupational Therapy (MOT)

This block serves as a guideline for progress toward a degree. See your academic advisor.

First Year

First Semester

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- PSYC 101 - General Psychology
- History I (3)
- Foreign Language Elective (3)
- ENGL 115 - Rhetoric

Total (16)

Second Semester

- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- THEO 111 - Theological Foundations
- History II (3)
- Foreign Language Elective (3)
- Fine Arts Elective (3)

- • Cultural Diversity Elective (1)

Total (17)

Second Year

First Semester

- PHIL 100 - Ethics as Introduction to Philosophy
- PHYS 140 - Technical Physics
- PHYS 142 - Technical Physics Lab
- PSYC 231 - Developmental Psychology
- • Literature Elective (3)
- • General Elective (3)
- • Minor or 2nd Concentration (3)

Total (18)

Second Semester

- PHIL 290 - Theory of Knowledge
- • Theo Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination or
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • General Elective (3)
- • Minor or 2nd Concentration (3)
- • Minor or 2nd Concentration (3)

Total (18)

Third Year

First Semester

- MATH 156 - General Statistics
- • Theology Ethics or Rel/Cult Elective (3)
- • Minor or 2nd Concentration (3)
- • Minor or 2nd Concentration/Gen Elective (3)
- HOCS 301 - Human Occupation Across Lifespan

- HOCS 303 - Technology for Life Participation I

Total (17)

Second Semester

- MATH 158 - General Statistics II
- PHIL 329 - Bioethics
- • Minor or 2nd Concentration (3)
- HOCS 323 - Occupational Justice I: Foundations
- HOCS 401 - Transformative Nature of Occupation
- HOCS 411 - Conditions Influencing Participation

Total (18)

Fourth Year

First Semester

- • General Elective (3)
- ATTR 386 - Advanced Kinesiology and
- ATTR 387 - Advanced Kinesiology Lab
- BIOL 204 - Functional Neuroscience
- HOCS 321 - Analysis of Occupational Performance
- HOCS 403 - Creative & Systematic Inquiry I
- HOCS 405 - Occupational Justice II: Independent Study
- **Undergraduate BLA hours completed.**

Total (18)

Second Semester

- **Graduate MOT coursework begins.**
- MOCT 501 - Creative & Systematic Inquiry I
- MOCT 503 - Technology for Life Participation II
- MOCT 505 - Techniques & Tools for Occupational Therapy Process
- MOCT 507 - Professional Issues I
- MOCT 609 - Theoretical Foundation & Clinical Reasoning

Total (14)

Fifth Year

First Semester

- MOCT 601 - Graduate Research Project I
- MOCT 603 - Domains & Process I: Birth to Early Adult
- MOCT 605 - Adaptation & Technology for Occupational Participation I
- MOCT 607 - Level I Fieldwork: Domains & Process I
- MOCT 611 - Professional Issues II

Total (14)

Second Semester

- MOCT 631 - Graduate Research Project II
- MOCT 633 - Domains & Process II: Early Adult through Elderly
- MOCT 635 - Adaptations & Techniques for Occupational Participation II
- MOCT 637 - Level I Fieldwork: Domains & Process I
- MOCT 641 - Professional Issues III

Total (14)

Fifth Year Fieldwork

- MOCT 691 - Level II Fieldwork (Jun - Sep)
- MOCT 692 - Level II Fieldwork (Sep - Dec)

Total (6)

BLA Degree: (122 hours)

MOCT Courses: (48 hours)

MOT Degree TOTAL: (170 hours)

Master of Occupational Therapy

Preoccupational Therapy (PMOT) To Master of Occupational Therapy (MOT Degree)

This program option is designed to obtain the MOT degree in combination with a previously earned bachelor's degree in a related area. In process of earning the MOT degree, students will obtain a required concentration in Human Occupation Studies (HOCS) in preparation for graduate coursework in occupational therapy. Prior to admission into the MOT degree program, prerequisite courses must be completed or in process. Transfer students who have a bachelor's degree in a related field generally have 6 semesters of academic coursework and one summer course plus a post-academic fieldwork internship to complete to meet Xavier University's requirements for the MOT degree. Xavier accepts transfer credit work from other regionally accredited institutions of higher education for prerequisite coursework.

Requirements for the Pre-MOT to MOT

Complete undergraduate prerequisite courses and earn a "C" or better grade in each course, as follows:

- ENGL 115 - Rhetoric
- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- PHYS 140 - Technical Physics
- PHYS 142 - Technical Physics Lab
- ATTR 386 - Advanced Kinesiology
- ATTR 387 - Advanced Kinesiology Lab
- MATH 156 - General Statistics
- MATH 158 - General Statistics II
- BIOL 204 - Functional Neuroscience
- PSYC 231 - Developmental Psychology
- PHIL 329 - Bioethics

Concentration in Human Occupation Studies (HOCS):

Complete 23 hours from

- HOCS 301 - Human Occupation Across Lifespan
- HOCS 303 - Technology for Life Participation I
- HOCS 321 - Analysis of Occupational Performance
- HOCS 323 - Occupational Justice I: Foundations
- HOCS 401 - Transformative Nature of Occupation
- HOCS 403 - Creative & Systematic Inquiry I
- HOCS 405 - Occupational Justice II: Independent Study
- HOCS 411 - Conditions Influencing Participation

Note(s):

- Earn a "C" or better grade in each course.

Pre-Occupational Therapy (PMOT) to Master of Occupational Therapy (MOT)

This block serves as a guideline for progress toward a degree. See your academic advisor.

First Year

First Semester

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- MATH 156 - General Statistics
- ENGL 115 - Rhetoric
- PSYC 231 - Developmental Psychology
- HOCS 301 - Human Occupation Across Lifespan
- HOCS 303 - Technology for Life Participation I

Total (18)

Second Semester

- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- MATH 158 - General Statistics II
- HOCS 323 - Occupational Justice I: Foundations
- HOCS 401 - Transformative Nature of Occupation
- HOCS 411 - Conditions Influencing Participation

Total (16)

Summer Term

- PHIL 329 - Bioethics

Second Year

First Semester

- PHYS 140 - Technical Physics
- PHYS 161 - Introductory Physics Lab I
- BIOL 204 - Functional Neuroscience
- ATTR 386 - Advanced Kinesiology
- ATTR 387 - Advanced Kinesiology Lab
- HOCS 403 - Creative & Systematic Inquiry I
- HOCS 405 - Occupational Justice II: Independent Study

- Prerequisite courses completed.

Total (18)

Second Semester

- Graduate MOT coursework begins

- MOCT 501 - Creative & Systematic Inquiry I
- MOCT 503 - Technology for Life Participation II
- MOCT 505 - Techniques & Tools for Occupational Therapy Process
- MOCT 507 - Professional Issues I
- MOCT 609 - Theoretical Foundation & Clinical Reasoning

Total (14)

Third Year

First Semester

- MOCT 691 - Level II Fieldwork
- MOCT 692 - Level II Fieldwork

Total (6)

Prerequisite Courses: (32 hours)

HOCS Courses: (23 hours)

MOCT Courses: (48 hours)

MOT Degree TOTAL: (103 hours)

Psychology

The Department of Psychology offers the Bachelor of Science and the Associate of Science degrees at the undergraduate level. Also offered is an undergraduate minor in Psychology. At the graduate level, the Master of Arts in Industrial-Organizational Psychology, the Master of Arts in General Experimental Psychology as well as the Doctor of Psychology in Clinical Psychology degrees are offered.

The Department's Mission Statement: In keeping with the Jesuit, Catholic, liberal arts tradition, the Department of Psychology educates students in the science of behavior and mental processes with sensitivity toward the diversity of all people so students may use psychological knowledge and insight to address human concerns.

For admission information for the graduate level programs, go to <http://www.xavier.edu/graduate-admission/admission/index.cfm> on the Xavier University website.

The doctoral program in clinical psychology is accredited by the APA Office of Program Consultation and Accreditation, 750 First Street, NE, Washington DC 20002-4242, Phone 202-336-5979

Bachelor of Science

Psychology, B.S.

The Department of Psychology endeavors to acquaint students thoroughly with the content and methods of scientific psychology. While emphasizing the scientific approach to the understanding of human behavior and human personality, the psychology courses aim to show the student that this branch of science is complementary to and compatible with a sound philosophy of human nature. In addition to the program leading to the Bachelor of Science, the department provides courses in the University Core Curriculum. The Bachelor of Science program in Psychology aims to provide a general background for career and/or advanced studies in fields which presuppose understanding of human behavior, such as clinical/counseling psychology, industrial-organizational psychology, medicine, education, social work, and law.

Requirements for the Psychology Major

Undergraduate core curriculum requirements:

64 credit hours, including:

Mathematics

- MATH 120 - Elementary Functions
- MATH 150 - Elements of Calculus I

- or

- • [MATH 150](#)
- MATH 151 - Elements of Calculus II

- or

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Philosophy:

Additional elective of 3 credit hours beyond core requirements.

Science:

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab

Along with

- PSYC 221 - Research Methods and Design I
- PSYC 222 - Research Methods and Design II
- PSYC 223 - Research Methods and Design I
- PSYC 224 - Research Methods and Design II included in the major.

Major requirements:

37 credit hours, as follows

28 hours of required psychology courses from:

- PSYC 100 - Efficient Reading & Study Skills
- PSYC 200 - Orientation to the Major
- PSYC 210 - Statistical Techniques
- PSYC 221 - Research Methods and Design I
- PSYC 223 - Research Methods and Design I
- PSYC 222 - Research Methods and Design II
- PSYC 224 - Research Methods and Design II
- PSYC 231 - Developmental Psychology
- PSYC 261 - Social Psychology
- PSYC 277 - Abnormal Psychology
- PSYC 301 - History and Systems of Psychology
- PSYC 499 - Senior Comprehensive Review

9 hours of psychology electives selected from:

- PSYC 232-498 (Refer to [Course Descriptions](#) .)

Note(s):

- A 2.000 cumulative average must be attained in these psychology courses.
- Students should consult the department's "Careers in Psychology and Course Electives" for recommendations about which elective courses to consider for different career tracks (i.e., graduate school, social service employment, general business, etc.). Students should also discuss their career aspirations and elective choices with their faculty advisor. Students must maintain contact with a departmental advisor each semester to aid in course selection, planning, and scheduling.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Psychology

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- MATH 120 - Elementary Functions or
- MATH 150 - Elements of Calculus I
- MATH 170 - Calculus I *
- PSYC 101 - General Psychology
- • Foreign Language Elective (3)

Total (16)

Second Semester

- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- MATH 150 - Elements of Calculus I or
- MATH 151 - Elements of Calculus II
- MATH 171 - Calculus II
- PHIL 100 - Ethics as Introduction to Philosophy
- PSYC 277 - Abnormal Psychology
- • Foreign Language Elective (3)

Total (16)

Sophomore Year

First Semester

- • History I Elective (3)
- THEO 111 - Theological Foundations
- • Literature Elective (3)
- PSYC 210 - Statistical Techniques
- • Psychology Elective (3)
- • Cultural Diversity Elective (1)

Total (16)

Second Semester

- • History II Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- PSYC 231 - Developmental Psychology
- PHIL 290 - Theory of Knowledge
- PSYC 221 - Research Methods and Design I
- PSYC 223 - Research Methods and Design I
- PSYC 200 - Orientation to the Major

Total (16)

Junior Year

First Semester

- • Fine Arts Elective (3)
- PSYC 222 - Research Methods and Design II
- PSYC 224 - Research Methods and Design II
- PSYC 261 - Social Psychology
- • Theo Scrip/Hist or Christ Sys Elective (3)
- • General Elective (3)

Total (15)

Second Semester

- Psychology Elective (3)
- Social Science Elective (3)
- Philosophy Elective (3)
- General Elective (6)

Total (15)

Senior Year

First Semester

- • Psychology Elective (3)
- • General Elective (3)
- PSYC 301 - History and Systems of Psychology
- PSYC 499 - Senior Comprehensive Review
- • Theology Ethics or Rel/Cult Elective (3)

Total (15)

Second Semester

- Philosophy Elective (3)
- Social Science Elective (3)
- General Elective (3)
- E/RS Focus Elective (3)

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- * See section "[Requirements for the Psychology Major.](#)"

Associate of Science

Psychology, A.S.

Undergraduate core curriculum requirements:

31 credit hours

Concentration requirements:

15 credit hours, as follows:

3 hours required from:

- PSYC 101 - General Psychology

12 hours of electives from:

- PSYC 210 - Statistical Techniques
- PSYC 221 - Research Methods and Design I and
- PSYC 223 - Research Methods and Design I
- PSYC 231 - Developmental Psychology
- PSYC 232 - Child Psychology
- PSYC 233 - Adolescent Psychology or
- PSYC 367 - Psychology of Aging
- PSYC 261 - Social Psychology
- PSYC 366 - Crime & Personality
- PSYC 277 - Abnormal Psychology
- PSYC 301 - History and Systems of Psychology
- PSYC 321 - Industrial-Organizational Psychology
- PSYC 379 - Psychological Achievement Testing
- Or other Psychology courses offered.

Note(s):

- A 2.000 cumulative average must be attained in these psychology courses.
- For more information on the associate degree, contact Xavier's Center for Adult and Part-time Students (CAPS).

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Minors

Psychology Minor

18 total credit hours, as follows:

12 hours of required courses from:

- PSYC 101 - General Psychology
- PSYC 210 - Statistical Techniques
- PSYC 221 - Research Methods and Design I and
- PSYC 223 - Research Methods and Design I
- PSYC 261 - Social Psychology

3 hours from either:

- PSYC 231 - Developmental Psychology
- PSYC 277 - Abnormal Psychology

3 hours of approved electives including, but not limited to:

- PSYC 222 - Research Methods and Design II and
 - PSYC 224 - Research Methods and Design II
 - PSYC 231 - Developmental Psychology or
 - PSYC 277 - Abnormal Psychology
 - PSYC 232 - Child Psychology
 - PSYC 233 - Adolescent Psychology
 - PSYC 245 - Psychology of Cultural Differences
 - PSYC 301 - History and Systems of Psychology
 - PSYC 310 - Marriage and the Family
 - PSYC 321 - Industrial-Organizational Psychology
 - PSYC 353 - Violence Against Women & Girls
 - PSYC 365 - Psychology of Women
 - PSYC 366 - Crime & Personality
 - PSYC 367 - Psychology of Aging
 - PSYC 370 - Human Sexuality
 - PSYC 375 - Drugs in Society
 - PSYC 379 - Psychological Achievement Testing
 - PSYC 426 - Physiological Psychology
 - PSYC 427 - Cognitive Psychology
 - PSYC 477 - Sports Psychology
-
- Consult with advisor for guidance.

Note(s):

- A 2.000 cumulative average must be attained in these psychology courses.

Master of Arts

General Experimental Psychology, M.A.

The degree of Master of Arts in Psychology is designed to prepare students for employment in a related field and/or to continue their graduate studies at the doctoral level. Student must include a concentration in one of the two areas, industrial organizational or general experimental psychology, which must be approved by the program director or his/her designate. A semester grade point average of 3.000 or higher is required for a student to remain in good standing. A cumulative GPA of 3.000 or higher is required for all classes since enrollment into the specific graduate program (MA or PsyD) for graduation. The degree of Master of Arts in Psychology will be awarded only to candidates who have completed all coursework and attained a GPA of 3.000 or higher, and demonstrated a reading knowledge of a foreign language or demonstrated a proficiency in a computer language ([PSYC 520](#) and [PSYC 521](#)) and, have both successfully defended their thesis and demonstrated their knowledge of the general field of psychology during their oral exam. The oral exam is to be administered in the spring semester of the second year. There is a 6-year time limit to complete all program requirements. If the thesis has not been defended after the second year of enrollment in the Master's program, the student is expected to be enrolled in [PSYC 790](#) , Continuous Major Research (3 credit hours) each Fall and Spring semester until the thesis is defended and deposited in the library or the student has reached the 6 year limit for the Master's program.

Requirements for M.A. in General Experimental Psychology

The general experimental concentration in Xavier's master's degree program embraces a 45-credit hour requirement extending over two full-time academic years.

Three themes run through the General Experimental program and are reflected below:

1. General Psychology

Four core courses that help assure basic knowledge within the general field of psychology (12 credit hours).

- PSYC 504 - Theories of Personality
- PSYC 506 - Advanced Social Psychology
- PSYC 609 - Learning & Cognition
- PSYC 502 - History & Philosophical Issues

2. Research

Other core courses reflect the importance of a research foundation in psychology (15 credit hours).

- PSYC 511 - Advanced Statistics I
- PSYC 512 - Advanced Statistics II
- PSYC 520 - Computer Statistics Language I
- PSYC 521 - Computer Statistics Language II
- PSYC 621 - Advanced Research Design & Analysis
- PSYC 699 - Master's Thesis

3. General Experimental Concentration

(18 credit hours)

- PSYC 590 - Internship: General Experimental Psychology
- 12 credit hours of related elective courses to fit student's professional interests.

Internship

The six-credit hour required internship involves a minimum of 240 hours of supervised work experience in a setting appropriate to the student's interests. It is often completed over two semesters and may be performed either in a single location or at two different sites. The internship must be approved by the Department Chair and the student receives a grade for each of the two semesters of supervised work.

Thesis

The required thesis carries 6 credit hours and takes the form of an empirical research study. Under the supervision of an advisor, the student develops a thesis proposal and presents this to a three member committee made up of faculty members and/or interested psychologists from the Cincinnati community. Upon completion, the student presents the thesis to the same committee. A single final grade is assigned to the thesis.

Language Requirement

Students in both concentrations of the master's degree program must demonstrate proficiency in a computer language, typically gained through the courses [PSYC 520](#) and [PSYC 521](#).

Admission Requirements

The MA in Psychology degrees have a February 1st annual deadline date for submission.

Go to <http://www.xavier.edu/psychology-grad/io-admission.cfm> or <http://www.xavier.edu/psychology-grad/experimental-admission.cfm> to reference the specific admission requirements.

Summary List of Admission Requirements for MA in Psychology

To be eligible for admission, applicants should submit the following items to the Department of Psychology before the February 1st deadline:

- A completed application form.
- Non-refundable \$35.00 application fee.
- One copy of all official transcripts from all previous colleges and universities attended. A 3.000 overall undergraduate grade point average (on a 4.0 scale) and a 3.000 average in all Psychology courses.
- Three letters of recommendation.
- A written personal statement as to reasons for pursuing a graduate degree, and plans after completion of studies.
- GRE scores: General Knowledge (verbal, quantitative and analytical) area is required. Psychology Subject Test required for those without psychology as their undergraduate major or minor.
- A completed Application for Financial Assistance form for possible financial aid, if interested.
- Any other information that might aid in the selection process.

A minimum of 18 undergraduate hours in psychology which must include general psychology, psychology statistics, research methods class with laboratory component, and tests and measurements. Courses in developmental psychology are helpful. Courses in biological science and college mathematics are also recommended as a preparation for graduate studies. An undergraduate course in industrial-organizational psychology is necessary for students pursuing the industrial/-organizational concentration. Personality and character traits which are in agreement with ethical standards of psychology are necessary. At times, a personal interview may be required by the Admissions Committee of the Department of Psychology. The prospective student will be notified by the Department and arrangements will be made at that time. Any other questions regarding the program should be directed to the Department of Psychology Assistant Director for Enrollment and Student Services at 513 745-1053.

Industrial-Organizational Psychology, M.A.

The degree of Master of Arts in Psychology is designed to prepare students for employment in a related field and/or to continue their graduate studies at the doctoral level. Student must include a concentration in one of the two areas, industrial organizational or general experimental psychology, which must be approved by the program director or his/her designate. A semester grade point average of 3.000 or higher is required for a student to remain in good standing. A cumulative GPA of 3.000 or higher is required for all classes since enrollment into the specific graduate program (MA or PsyD) for graduation. The degree of Master of Arts in Psychology will be awarded only to candidates who have completed all coursework and attained a GPA of 3.000 or higher, and demonstrated a reading knowledge of a foreign language or demonstrated a proficiency in a computer language ([PSYC 520](#) and [PSYC 521](#)) and, have both successfully defended their thesis and demonstrated their knowledge of the general field of psychology during their oral exam. The oral exam is to be administered in the spring semester of the second year. There is a 6-year time limit to complete all program requirements. If the thesis has not been defended after the second year of enrollment in the Master's program, the student is expected to be enrolled in [PSYC 790](#) , Continuous Major Research (3 credit hours) each Fall and Spring semester until the thesis is defended and deposited in the library or the student has reached the 6 year limit for the Master's program.

Requirements for M.A. in Industrial-Organizational Psychology

The industrial-organizational concentration requires a full-time commitment over two academic years. The 43-semester hour requirement comprises 18 credit hours in core courses in psychology, including research design, statistics, and computer applications, 16 credit hours in industrial-organizational psychology courses, three credit hours in a practicum in industrial-organizational psychology, and six credit hours in thesis work.

Three themes run through the I-O psychology program and are reflected in the typical two-year schedule of classes in the program.

1. General Psychology (3 credit Hours)

Three areas of psychology, integrated into a proseminar course, help assure basic knowledge within the general field of psychology. These three areas are theories of personality, advanced social psychology and learning and cognition. This course is:

- PSYC 579 - ProSeminar: Applied Industrial-Organizational Psychology

2. Research (15 credit hours)

Other core courses reflect the importance of a research foundation in psychology. These courses are:

- PSYC 511 - Advanced Statistics I
- PSYC 512 - Advanced Statistics II
- PSYC 520 - Computer Statistics Language I
- PSYC 521 - Computer Statistics Language II
- PSYC 621 - Advanced Research Design & Analysis
- PSYC 699 - Master's Thesis

3. Industrial-Organizational Psychology (25 credit hours)

A larger group of courses directly serve student interests in I-O Psychology. For first year students, 10 hours of I-O psychology courses are incorporated. For second year students, these courses include 15 credit hours. Overall, these courses consist of:

- PSYC 522 - Personnel Psychology
- PSYC 593 - Internship in Industrial Organizational Psychology
- PSYC 641 - Assessment Techniques in Industrial-Organizational Psychology
- PSYC 643 - Seminar: Industrial - Organizational Psychology
- PSYC 644 - Organizational Psychology
- PSYC 645 - Train & Devel in Organizations
- PSYC 660 - Performance Appraisal

Note(s):

- The I-O psychology curriculum reflects the areas of competence to be developed in master's level I-O psychology courses, as identified in Guidelines for Education and Training at the Master's Level in Industrial-Organizational Psychology, 1994, Society for Industrial and Organizational Psychology, Inc. (Division 14 of the American Psychological Association). The curriculum is structured in such a way that later courses build on the content disseminated in earlier courses.

Internship

The three-credit hour practicum comprises 120 clock hours of supervised work in an appropriate field setting. This work may take the form of a project arranged with an employer that allows the student full responsibility for designing and carrying out the project, or the practicum may bring the student into an ongoing activity within an organization, such as employment interviewing or testing. The student receives a final grade for the practicum.

Thesis

The thesis carries six credit hours and takes the form of an empirical research study. Under the supervision of an advisor, the student develops a thesis proposal and presents this to a three-member committee made up of faculty members and/or interested psychologists from the Cincinnati community. Upon completion, the student presents the thesis to the same committee. A single final grade is assigned to the thesis.

Language Requirement

Students in both concentrations of the master's degree program must demonstrate proficiency in a computer language, typically gained through the courses [PSYC 520](#) and [PSYC 521](#) , Computer Statistical Language I and II.

Admission Requirements

The MA in Psychology degrees have a February 1st annual deadline date for submission.

Go to <http://www.xavier.edu/psychology-grad/io-admission.cfm> or <http://www.xavier.edu/psychology-grad/experimental-admission.cfm> to reference the specific admission requirements.

Summary List of Admission Requirements for MA in Psychology

To be eligible for admission, applicants should submit the following items to the Department of Psychology before the February 1st deadline:

- A completed application form.
- Non-refundable \$35.00 application fee.

- One copy of all official transcripts from all previous colleges and universities attended. A 3.000 overall undergraduate grade point average (on a 4.0 scale) and a 3.000 average in all Psychology courses.
- Three letters of recommendation.
- A written personal statement as to reasons for pursuing a graduate degree, and plans after completion of studies.
- GRE scores: General Knowledge (verbal, quantitative and analytical) area is required. Psychology Subject Test required for those without psychology as their undergraduate major or minor.
- A completed Application for Financial Assistance form for possible financial aid, if interested.
- Any other information that might aid in the selection process.

A minimum of 18 undergraduate hours in psychology which must include general psychology, psychology statistics, research methods class with laboratory component, and tests and measurements. Courses in developmental psychology are helpful. Courses in biological science and college mathematics are also recommended as a preparation for graduate studies. An undergraduate course in industrial-organizational psychology is necessary for students pursuing the industrial/-organizational concentration. Personality and character traits which are in agreement with ethical standards of psychology are necessary. At times, a personal interview may be required by the Admissions Committee of the Department of Psychology. The prospective student will be notified by the Department and arrangements will be made at that time. Any other questions regarding the program should be directed to the Department of Psychology Assistant Director for Enrollment and Student Services at 513 745-1053.

Doctor of Psychology

Doctor of Clinical Psychology, Psy.D.

The Doctor of Clinical Psychology (PsyD) program builds upon Xavier's strong commitment to the Jesuit tradition of "service within the context of scholarship." The program provides students with the knowledge and range of skills necessary to provide psychological services in today's changing professional climate. The five-year program includes four academic years and one internship year. The practitioner-scientist orientation emphasizes the importance of a scientific foundation in psychology. Although the PsyD program is designed to prepare students for the general practice of clinical psychology, it also addresses the service of specific groups of under-served individuals in today's society— children and adolescents, older adults, and individuals with severe mental disability. Within the curriculum, students have the opportunity to pursue these areas of interest by taking specialized courses, gaining experience in practicum placements, and conducting applied research.

Program of Studies

Students are accepted into the program on a full-time basis and are required to take a minimum 114 credit hours to graduate. The curriculum of the first four years is divided into two major types of learning experiences: 1) knowledge/academic based, and 2) skills/clinical based. Ninety credit hours consist of courses that are primarily "academic" in nature. These courses are designed to develop content and methodologies in specific areas identified by the American Psychological Association as essential for clinical training--biological, cognitive and affective, social and cultural aspects of behavior, individual differences in behavior, history and systems in psychology, psychological measurement and assessment, human development, psychopathology, professional standards of ethics, research and evaluation, and professional interpersonal conduct. Twenty-four credit hours include courses such as professional development and practicum, clinical practicum, and internship that provide supervised experience and training in a range of clinical areas.

A unique feature of the program is the opportunity for students to develop an "Area of Interest" in clinical child psychology, applied geropsychology, or the psychology of severe mental disability. Prior to applying for internship in the fall of the fourth year, students must successfully complete the Clinical Competency Examination, patterned after the examination given by the American Board of Professional Psychology, and propose their dissertation.

Requirements for the PsyD degree

1.

To ensure comprehensiveness in the program, all students must include each of the following courses designed to provide integrative education in the graduate field of psychology. Although the curriculum may change to match advancement of the field of professional psychology, the current curricular requirements are listed below in the present order of completion.

Year One

- PSYC 504 - Theories of Personality
- PSYC 506 - Advanced Social Psychology

- PSYC 508 - Diversity
- PSYC 511 - Advanced Statistics I
- PSYC 512 - Advanced Statistics II
- PSYC 520 - Computer Statistics Language I
- PSYC 521 - Computer Statistics Language II
- PSYC 580 - Clinical Psychopathology
- PSYC 582 - Assessment I: Intelligence
- PSYC 585 - Assessment II: Personality
- PSYC 649 - Introduction to Clinical Interactions

Summer

- PSYC 502 - History & Philosophical Issues
- PSYC 505 - Professional Problems & Ethics in Psychology

Year Two

- PSYC 609 - Learning & Cognition
- PSYC 610 - Biological Bases of Behavior
- PSYC 621 - Advanced Research Design & Analysis
- PSYC 623 - Issues in Applied Psychology
- PSYC 629 - Intervention Techniques: Behavior Therapy
- PSYC 650 - Professional Development & Practicum I
- PSYC 651 - Professional Development & Practicum II
- PSYC 685 - Assessment III: Personality

- Earn MA in Psychology

Summer

- PSYC 607 - Advanced Developmental Psychology
- Elective Course

Year Three

- PSYC 730 - Intervention Technique: Consulting
- PSYC 731 - Intervention Techniques: Psychodynamics
- PSYC 760 - Clinical Practicum III
- PSYC 761 - Clinical Practicum IV
- PSYC 787 - Research I
- PSYC 788 - Research II
- Elective courses (2)

Note(s):

- Clinical Competency Examination or Dissertation proposal must be success fully completed by the end of the spring semester prior to applying for internship.

Year Four

Internship applications are completed during the fall semester of the fourth year. Dissertation proposal must be approved prior to applying for the internship.

- PSYC 789 - Research III
- PSYC 850 - Clinical Practicum V
- PSYC 851 - Clinical Practicum VI
- Elective courses (5)

Year Five

- PSYC 999 - Internship (one year)

2.

The PsyD degree will be awarded upon successful completion of required coursework, Clinical Competency Examination, Doctoral Dissertation and an internship. After the fourth year of enrollment in the doctoral program (or its equivalent for students admitted with advanced standing) the student is expected to be enrolled in either PSYC 999, Internship, or PSYC 790, Continuous Major Research, until the dissertation is defended and deposited in the library or the student has reached the 8-year limit for the PsyD program.

This policy remains in effect after the completion of the internship, until the dissertation is defended and deposited in the library. There is an eight year time limit to complete all program requirements. A minimum of 75 of the 114 hours required coursework for the PsyD. Degree must be completed at Xavier.

3.

All students are required to take eight elective courses, four of which are specified as the student's "Area of Interest"--clinical child psychology, applied geropsychology, or the psychology of severe mental disabilities. The other four electives are chosen by students in consultation with their advisor. A unique feature of the program is that students may opt to use their additional electives to work toward a "Certificate in Organizational Concepts and Management" or a "Certificate in the Foundations of Health Services Administration." In cooperation with the Williams College of Business and the Health Services Administration Department, doctoral students may elect to take courses which offer a foundation in business or in the health services discipline which provide a basis for understanding the dynamics involved in the delivery of health care services in today's changing professional climate.

Grading Policy:

Grades are based on a student's performance meeting the standards established and communicated in writing by the professor of the course. A semester grade point average of 3.000 or higher is required for a student to remain in good standing. Any student whose semester (Fall, Spring, Summer) GPA falls below 3.000 or who earns a grade of "C (includes C+ or C)" or "F" in any 2 credit hour course will be placed on "WARNING" by the Dean of the College of Social Sciences, Health, and Education and remains on WARNING throughout the remainder of the program. Once on warning, any student whose semester (Fall, Spring, Summer) GPA falls below a 3.00 may be dismissed. In addition, once on warning, any student who earns a grade of "C" or "F" in any course is subject to dismissal. A student who earns a grade of C or lower in 4 hours or more of course credit in one semester may be subject to dismissal immediately. The following interpretation of letter grades is used by the department A= excellent, B=good, C=minimal, and F=failure. Faculty may use a +/- system in grading. Students receiving a "C" in a course may be required to retake the course or do additional work to satisfy specific deficiencies. This will be determined by the professor of the course and will be discussed with the student and his/her advisor. The student may be required to register for a one hour tutorial (PSYC 900) to complete the necessary remedial work, for which he/she must earn a grade of pass to fulfill the requirements for the additional work. The work must be completed by the student during the following academic semester. Students receiving an "F" in a course are required to retake the course. A cumulative GPA of 3.000 or higher is required for graduation. An A = 4 points, a B = 3 points and a C = 2 points. Pluses and minuses alter the merit points by .3. All students are required to complete the "Yearly Graduate Student Activity Report: for each academic year by May 1.

Admission Requirements for the PsyD degree

To be eligible for admission, applicants should submit materials before the annual deadline date of **December 15th**.

Go to <http://www.xavier.edu/psychology-doctorate/admission.cfm> on the Xavier website to reference the full details and the admission process.

Summary List of Admission Requirements

To be eligible for admission, applicants should submit the following items to the Department of Psychology before January 15th:

- A completed application form.
- Non-refundable \$35 application fee.
- One official transcript from each college or university attended. A 3.000 overall undergraduate grade point average (on a 4.000 scale), and a 3.000 average in all psychology courses.
- Three letters of recommendation.
- A written personal statement of reasons for pursuing a graduate degree in the psychology department at Xavier University, and plans after completion of studies.
- GRE scores: General Knowledge (verbal, quantitative and analytical) area is required. Psychology Subject Test is required for those without psychology as their undergraduate major or minor.
- A completed Application for Financial Assistance form for possible financial aid if interested.
- Any other information that might aid in the selection process.

Students must have a minimum of 18 undergraduate hours in psychology, including general psychology, psychology statistics, research methods course with lab, and tests and measurements. Courses in developmental and abnormal psychology are helpful. Courses in biological science and college mathematics are also recommended as a preparation for graduate studies. Students with graduate training in clinical psychology or a related field who are accepted with advanced standing may expect a portion of their previous graduate work (if the student has earned a grade of "B" or higher) to be credited toward the fulfillment of the requirements for the doctoral degree. All decisions regarding acceptance of graduate credit will be made by the Department Chair in conjunction with the student's advisor by the end of the first year.

In all cases, a minimum of 75 of the 114 hours required coursework for the PsyD. degree must be completed at Xavier.

Radiologic Technology

The Radiologic Technology Program offers a two year/full-time (23 months) classroom and clinical training leading to an Associate of Science degree. The hospital affiliates are Good Samaritan Hospital and Mercy Hospital-Western Hills. Education for the radiography student is an integrated plan of classroom, laboratory and clinical education. The Radiographic Practicum courses (12 credit hours and approximately 1900 clock hours) allow the students to practice the theories taught at Xavier and apply them in a clinical setting. Upon successful completion of the program, students receive an Associate Degree in Science and are eligible to apply to the American Registry of Radiologic Technology (ARRT) to take their certification examination.

Also offered is a Magnetic Resonance Imaging (MRI) program. The program is designed to help MRI technologist working in the field prepare for the ARRT advanced examination or to help radiographers expand their career in MRI imaging.

Associate of Science

Radiologic Technology, A.S.

The Radiologic Technology Program offers a two year/full-time (23 months) classroom and clinical training leading to an Associate of Science degree. The hospital affiliates are Good Samaritan Hospital and Mercy Hospital-Western Hills. Education for the radiography student is an integrated plan of classroom, laboratory and clinical education. The Radiographic Practicum courses (12 credit hours and approximately 1900 clock hours) allow the students to practice the theories taught at Xavier and apply them in a clinical setting. Upon successful completion of the program, students receive an Associate Degree in Science and are eligible to apply to the American Registry of Radiologic Technology (ARRT) to take their certification examination.

Also offered is a Magnetic Resonance Imaging (MRI) program. The program is designed to help MRI technologist working in the field prepare for the ARRT advanced examination or to help radiographers expand their career in MRI imaging.

Associate of Science Degree in Radiologic Technology

The program requires 76 semester hours which include courses in liberal arts and radiologic technology.

The graduates of this program are eligible to apply for the American Registry of Radiologic Technologists examination.

Requirements for the Associate Degree in Radiologic Technology:

Undergraduate core curriculum requirements:

29 credit hours, as follows

23 hours in specific liberal arts courses:

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- ENGL 101 - English Composition
- PHIL 100 - Ethics as Introduction to Philosophy
- PSYC 101 - General Psychology
- SOCI 101 - Introduction to Sociology
- THEO 111 - Theological Foundations

3 hours of history selected from any core history course:

- HIST 105-162 (Refer to [Course Descriptions](#) .)

3 hours of mathematics selected from:

- MATH 105-150 (Refer to [Course Descriptions](#) .)

Note(s):

[MATH 105](#) (or higher) is a prerequisite for PHYS 140-141. (Refer to [Course Descriptions](#) .)

Major requirements:

40 credit hours, as follows

Specific courses are required, take:

- RADT 115 - Cmptr Literacy for Radiography
- RADT 150 - Medical Terminology
- RADT 152 - Patient Care in Radiography
- RADT 154 - Ethics & Law in Radiography
- RADT 160 - Radiographic Procedures I
- RADT 161 - Radiographic Practicum I
- RADT 162 - Radiographic Procedures II
- RADT 163 - Radiographic Practicum II
- RADT 165 - Radiographic Practicum III
- RADT 170 - Principles of Radiographic Exposures I
- RADT 172 - Principles of Radiographic Exposures II
- RADT 180 - Radiation Protection and Biology
- RADT 250 - General Radiography
- RADT 260 - Special Procedures
- RADT 261 - Radiographic Practicum IV
- RADT 262 - Pharmacology & Drug Admin
- RADT 263 - Radiographic Practicum V
- RADT 265 - Radiographic Practicum VI
- RADT 270 - Principles of Radiographic Exposures III
- RADT 272 - Principles of Computed Tomography
- RADT 280 - Pathology
- RADT 292 - Imaging Equipment & Film Process
- RADT 294 - Radiographic Sectional Anatomy

Additional Major requirements:

7 credit hours, as follows

3 hours of Interpersonal Communication from:

- COMM 207 - Interpersonal Communication

4 hours of Technical and Radiologic Physics from:

- PHYS 140 - Technical Physics
- PHYS 141 - Radiologic Physics

Note(s):

- A grade of "C-" or better must be attained in all RADT and PHYS courses.
- Courses with prerequisites cannot be taken until the prerequisite courses have been successfully completed with a grade of "C-" or better.
- All students must present evidence of the following **prior to entrance in all clinical courses:**
- Liability insurance (\$2,000,000/\$4,000,000), purchased through the University and billed to student's account.
- Health history and required physical examination form
- MMR immunization
- Yearly tuberculosis skin test (two-step)
- Hepatitis B series
- Proof of current health care coverage
- Verification of history of varicella (chicken pox)
- Students are responsible for these expenses as well as for uniforms and transportation costs to, the clinical sites. Students must provide their own transportation between campus and clinical sites.

A.S. in Radiologic Technology

This block serves as a guideline for progress toward a degree. See your academic advisor.

First Year

August - Pre-Semester:

Registration and orientation for the Radiologic Technology Program begins August 1. Clinical Training at the hospitals will begin during this time along with the following courses:

- RADT 152 - Patient Care in Radiography
- RADT 150 - Medical Terminology

Total (2)

First Semester

- RADT 154 - Ethics & Law in Radiography
- RADT 170 - Principles of Radiographic Exposures I

- RADT 160 - Radiographic Procedures I
- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- PSYC 101 - General Psychology
- MATH 105 - Fundamentals of Mathematics
- RADT 161 - Radiographic Practicum I

- (Scheduled on Tuesdays and Thursdays for 16 hours per week.)

Total (16)

Second Semester

- RADT 172 - Principles of Radiographic Exposures II
- RADT 180 - Radiation Protection and Biology
- RADT 162 - Radiographic Procedures II
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- SOCI 101 - Introduction to Sociology
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- RADT 163 - Radiographic Practicum II

- (Scheduled on Tuesdays and Thursdays for 16 hours per week.)

Total (17)

Summer Term

FIRST SUMMER SESSION: After the Spring Final Exam week, the students are scheduled for 40 hours per week of clinical training until the first Summer Session begins (a period of one to two weeks). When the first Summer Session begins, students are scheduled for 16 hours per week of clinical training. The students also take the following courses during the first Summer Session:

First Semester

- COMM 207 - Interpersonal Communication
- THEO 111 - Theological Foundations
- RADT 165 - Radiographic Practicum III

Total (9)

Note(s):

- After the completion of [COMM 207](#) & [THEO 111](#) the students are scheduled for 40 hours per week of clinical training until the Fall Semester begins.

Second Year

First Semester

- RADT 262 - Pharmacology & Drug Admin
 - RADT 272 - Principles of Computed Tomography
 - RADT 270 - Principles of Radiographic Exposures III
 - RADT 250 - General Radiography
 - RADT 260 - Special Procedures
 - PHYS 140 - Technical Physics
 - • History I (3)
 - RADT 261 - Radiographic Practicum IV
- (scheduled on Monday, Wednesday, Friday for 24 hours a week.)
- RADT 115 - Cmptr Literacy for Radiography

Total (16)

Second Semester

- RADT 292 - Imaging Equipment & Film Process
 - RADT 294 - Radiographic Sectional Anatomy
 - RADT 280 - Pathology
 - PHYS 141 - Radiologic Physics
 - PHIL 100 - Ethics as Introduction to Philosophy
 - RADT 263 - Radiographic Practicum V
- (scheduled on Monday, Wednesday, Friday for 24 hours a week.)

Total (13)

Summer Term

First Semester

- RADT 265 - Radiographic Practicum VI
- (Students are scheduled for 40 hours per week of clinical training at the hospital affiliate for the entire summer session.)

TOTAL NUMBER OF CREDITS: 76 Hours

(with a minimum of 73 credit hours required for the degree, if MATH waived)

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Social Work

The Department of Social Work offers the Bachelor of Science in Social Work.

Bachelor of Science in Social Work

Social Work, B.S.W.

The Social Work Program at Xavier University is accredited by the Council on Social Work Education. The Department provides a program of instruction which contains a meaningful reservoir of traditional and contemporary social work knowledge to stimulate and challenge the intellectual capacity of the serious student.

The goals of the program are (a) to graduate students who have a beginning level of competency for generalist social work practice; (b) to inculcate students with a professional value base and an appreciation for diverse social, cultural, and ethnic patterns; (c) to prepare students to be informed, participating citizens aware of social issues and problems who are active participants in working toward resolving them; and (d) to prepare students for entry into graduate social work programs. While all of the objectives are important, the development of competency for beginning level generalist practice is the most significant.

Requirements for the Social Work Major

Undergraduate core curriculum requirements:

64 credit hours, including

Cultural Diversity:

- Included within the major courses.

Mathematics:

- Take Statistics from either [MATH 116](#) or [MATH 156](#) and earn a grade of "C" or better; and take another math core class.

Science:

- [BIOL 102](#) (or [BIOL 112](#)), [BIOL 120](#), [BIOL 125](#), [BIOL 127](#) and earn a grade of "C" or better; and take 3 hours of another science area.

Social Sciences:

- [PSYC 101](#) and [SOCL 101](#) and earn a grade of “C” or better in each class.

Major requirements:

50 credit hours, as follows

Specific social work courses required, take:

- SOCW 167 - Survey of Society in Social Work
- SOCW 204 - Contemporary Social Problems
- SOCW 208 - Economics of Society
- SOCW 299 - Child Welfare and Development
- SOCW 300 - Human Life Cycle II: Adolescence-Adult
- SOCW 315 - Social Institution as a System
- SOCW 316 - Social Policy & Contemporary Issues
- SOCW 318 - Trends in Modern Society: Race Relations
- SOCW 320 - Communication Skills Seminar
- SOCW 325 - Women/Men: Myth & Reality
- SOCW 352 - Research Methodology
- SOCW 415 - Theory & Methods of Social Work Practice I
- SOCW 416 - Theory and Methods of Social Work Practice II
- SOCW 417 - Social Work Field Instruction
- SOCW 418 - Social Work Field Instruction
- SOCW 419 - Social Work Seminar
- SOCW 420 - Social Work Seminar
- SOCW 424 - Research Paper

Additional Major requirements:

9 credit hours, as follows:

- Minimum of nine hours in related divisional work as specified in the Support Core (or other courses approved by the department chair).
- A grade of “C” or better must be attained in each course required for the social work major, excluding the nine hours of support core course work.
- Exceptions to this requirement may be granted following petition to the department.
- Other policies for Social Work majors are located in the departmental student handbook.
- To enter field placement, students must have received full acceptance into the social work major and be in academic good standing.

Support Core for Social Work

- CJUS 101 - Introduction to Criminal Justice
- CJUS 260 - Current Issues in Criminal Justice
- CJUS 321 - Juvenile Justice
- CJUS 364 - Overview of Contemporary Corrections
- COMM 101 - Oral Communication
- COMM 209 - Group Dynamics
- POLI 140 - American Government and Politics
- POLI 301 - Political Philosophy
- PSYC 261 - Social Psychology
- PSYC 277 - Abnormal Psychology
- SOCW 338 - Lesbian Gay Bisexual Transgender Queer Studies
- SOCW 330 - Community Organizing
- SOCW 310 - Family and Society
- SOCW 402 - Child Abuse

- SOCW 404 - Religion, Ethics, and Professional Practice
- SOCW 444 - Addictive Behaviors

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Social Work

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- PHIL 100 - Ethics as Introduction to Philosophy
- • Foreign Language Elective (3)
- SOCI 101 - Introduction to Sociology
- BIOL 102 - Life: Human Biology
- BIOL 125 - Life Lab: Investigation I

Total (15)

Second Semester

- • Literature Elective (3)
- THEO 111 - Theological Foundations
- • Foreign Language Elective (3)
- PSYC 101 - General Psychology
- BIOL 120 - Life: Ecology & People
- BIOL 127 - Life Lab: Investigation II

Total (15)

Sophomore Year

First Semester

- SOCW 299 - Child Welfare and Development
- • Theology Scrip/Hist or Christ Sys Elect (3)
- PHIL 290 - Theory of Knowledge

- SOCW 167 - Survey of Society in Social Work
- SOCW 208 - Economics of Society

Total (15)

Second Semester

- • Philosophy Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- SOCW 204 - Contemporary Social Problems
- SOCW 300 - Human Life Cycle II: Adolescence-Adult

Total (15)

Junior Year

First Semester

- • Mathematics Elective (3)
- SOCW 352 - Research Methodology
- SOCW 315 - Social Institution as a System
- SOCW 318 - Trends in Modern Society: Race Relations *
- • Science Elective (3)
- • History I Elective (3)

Total (18)

Second Semester

- SOCW 316 - Social Policy & Contemporary Issues
- SOCW 325 - Women/Men: Myth & Reality *
- SOCW 415 - Theory & Methods of Social Work Practice I
- • History II Elective (3)
- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- SOCW 320 - Communication Skills Seminar

Total (16)

Senior Year

First Semester

- SOCW 416 - Theory and Methods of Social Work Practice II
- SOCW 417 - Social Work Field Instruction
- SOCW 419 - Social Work Seminar
- SOCW 424 - Research Paper
- • Support Core (3)
- • E/RS Focus Elective + (3)

Total (16)

Second Semester

- • Fine Arts Elective (3)
- SOCW 418 - Social Work Field Instruction
- SOCW 420 - Social Work Seminar
- • Support Core (3)
- • Support Core (3)

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- * [SOCW 318](#) and/or [SOCW 325](#) fulfills the Cultural Diversity Elective requirement.
- + [BIOL 120](#) , [SOCW 315](#) and/or [SOCW 318](#) fulfills this requirement for Social Work majors.

Sport Studies

Bachelor of Science

Athletic Training, B.S.

Athletic training is an allied health profession within the American Medical Association. Its mission is to enhance the quality of health care for the physically active through prevention, evaluation, management, and rehabilitation of athletic injuries. Certified athletic trainers are part of a Sports Medicine team approach of total medical care including the athlete, coaches, orthopedic physician and allied health medical specialists.

The Xavier University Athletic Training Education Program (XU-ATEP) fulfills the curricular guidelines established by the Commission on Accreditation of Athletic Training Education (CAATE) and the National Athletic Trainers' Association (NATA). Completing a degree in our entry-level undergraduate program fulfills the eligibility requirements of the BOC certification exam. Graduates of Xavier University's athletic training program receive a Bachelor of Science (B.S.) degree in athletic training and are eligible to sit for the BOC exam.

Program Admission Requirements

Go to <http://www.xavier.edu/athletic-training/Admission.cfm> for current information pertaining to accreditation, program admission, technical standards, graduation requirements and the curriculum.

Requirements for the Athletic Training Major

Undergraduate core curriculum requirements:

64 credit hours including

Mathematics:

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- • and one elective chosen from MATH 120-170. (Refer to [Course Descriptions](#) .)

Science:

Take 14 hours from

- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- ATTR 386 - Advanced Kinesiology
- ATTR 387 - Advanced Kinesiology Lab
- ATTR 405 - General Medical Conditions
- ATTR 406 - General Medical Conditions Lab

Social Sciences:

- PSYC 101 - General Psychology
- PSYC 261 - Social Psychology or
- SOCI 101 - Introduction to Sociology
- PSYC 477 - Sports Psychology

Major requirements:

48 credit hours, as follows

36 hours of athletic training courses required, take

- ATTR 143 - Introduction to Athletic Training
- ATTR 168 - First Aid Safety and CPR
- ATTR 267 - Physiology of Exercise
- ATTR 343 - Therapeutic Modalities
- ATTR 344 - Therapeutic Exercise

- ATTR 345 - Orthopedic Injuries I
- ATTR 346 - Orthopedic Injuries II
- ATTR 347 - Orthopedic Injuries III
- ATTR 410 - Athletic Training Organization & Administration
- ATTR 420 - Research in Athletic Training
- ATTR 425 - Nutrition
- ATTR 492 - Athletic Training: Senior Seminar

12 hours of clinical experience courses, take

- ATTR 200 - Clinical Experience I
- ATTR 201 - Clinical Experience II
- ATTR 300 - Clinical Experience III
- ATTR 301 - Clinical Experience IV
- ATTR 400 - Clinical Experience V
- ATTR 401 - Clinical Experience VI

Note(s):

- A minimum of a 2.500 cumulative GPA and a minimum 2.000 in all biology and professional courses must be maintained to remain in the program.
- A code of ethical behavior and conduct has been developed to ensure professional behavior of all students enrolled in the Athletic Training program. The Program Director will review cumulative code infractions at the end of each academic semester. A student who exceeds the maximum cumulative infraction points will be deemed unprofessional and will not be permitted to continue in the program.
- If a student earns lower than a grade of "C" in any athletic training course, it may be repeated once and must be taken at Xavier University.
- Students must pass each clinical proficiency and psychomotor competency with a ranking of "proficiency mastered" to graduate.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Athletic Training

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ATTR 143 - Introduction to Athletic Training
- BIOL 140 - Human Anatomy & Physiology I
- BIOL 141 - Human Anatomy & Physiology I Lab
- • MATH 120-150: Math placement (Refer to [Course Descriptions](#) .) (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- THEO 111 - Theological Foundations

Total (16)

Second Semester

- ATTR 168 - First Aid Safety and CPR
- ATTR 267 - Physiology of Exercise
- BIOL 142 - Human Anatomy & Physiology II
- BIOL 143 - Human Anatomy & Physiology II Lab
- PHIL 100 - Ethics as Introduction to Philosophy
- • Theology Scrip/Hist or Christ Sys Elect (3)

Total (16)

Sophomore Year

First Semester

- ATTR 200 - Clinical Experience I
- ATTR 343 - Therapeutic Modalities
- ATTR 386 - Advanced Kinesiology
- ATTR 387 - Advanced Kinesiology Lab
- • Foreign Language Elective (3)
- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics

Total (14)

Second Semester

- ATTR 201 - Clinical Experience II
- ATTR 344 - Therapeutic Exercise
- ATTR 345 - Orthopedic Injuries I
- ATTR 410 - Athletic Training Organization & Administration
- • Foreign Language Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination

Total (17)

Junior Year

First Semester

- ATTR 300 - Clinical Experience III
- ATTR 346 - Orthopedic Injuries II
- ATTR 425 - Nutrition
- • Cultural Diversity Elective (1)
- • History I Elective (3)
- PSYC 101 - General Psychology

Total (15)

Second Semester

- ATTR 301 - Clinical Experience IV
- ATTR 347 - Orthopedic Injuries III
- ATTR 405 - General Medical Conditions
- ATTR 406 - General Medical Conditions Lab
- • History II Elective (3)
- PHIL 290 - Theory of Knowledge

Total (14)

Senior Year

First Semester

- ATTR 400 - Clinical Experience V
- ATTR 420 - Research in Athletic Training
- ATTR 492 - Athletic Training: Senior Seminar
- • Theology Ethics or Rel/Cult Elective (3)
- • Fine Arts Elective (3)

Total (14)

Second Semester

- ATTR 401 - Clinical Experience VI
- PSYC 477 - Sports Psychology
- • E/RS Focus Elective (PHIL 300-399) (Refer to [Course Descriptions](#) .) (3)
- • Literature Elective (3)
- PSYC 261 - Social Psychology or
- SOCI 101 - Introduction to Sociology

Total (14)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.

Sport Management/Marketing, B.S.

Requirements for the Sport Management / Sport Marketing Major

Undergraduate core curriculum requirements:

64 credit hours, including

Mathematics:

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- • and one elective core mathematics course.

Philosophy:

- PHIL 321 - Business Ethics is recommended as the philosophy elective.

Social Sciences:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles
- which is included within the major requirement.

Major Requirements:

72 / 78 credit hours, distributed as follows:

Area 1

12 hours of management courses from:

- SPMG 110 - Introduction to Sports Management
- SPMG 322 - Facility & Event Management
- MGMT 300 - Managerial Behavior
- INFO 200 - Managing Information Technology

Area 2

9 hours of social ethics from:

- SPMG 195 - History of American Sport
- SPMG 132 - Sociology of Sport
- SPMG 410 - Sport Ethics

Area 3

6 hours legal aspects required:

- SPMG 348 - Legal & Ethical Issues in Sport
- BLAW 300 - Legal Environment

Area 4

12 hours communication arts required:

- COMM 101 - Oral Communication
- COMM 207 - Interpersonal Communication
- • and six elective hours (COMM 209-479) (Refer to [Course Descriptions](#)).

Area 5

Students wishing to concentrate in Sport Marketing must take an additional 6 elective hours, with advisor's permission.

6 hours of marketing from:

- MKTG 300 - Principles of Marketing
- SPMG 310 - Introduction to Sport Marketing

Area 6

3 hours of accounting from:

- ACCT 200 - Introductory Financial Accounting

Area 7

6 hours of economics from:

- ACCT 200 - Introductory Financial Accounting
- ACCT 201 - Introductory Managerial Accounting

Area 8

9 hours of sport management electives required with advisor's permission, including:

- SPMG 250 - Professional Development in Sport Management
- SPMG 280 - Contemporary Coaching: Issues & Trends
- SPMG 360 - Sport Finance & Economics
- PSYC 477 - Sports Psychology

Area 9

9 hours of field experience required, including:

- SPMG 495 - Internship in Sport Management
- Each three hour block in SPMG 495 equals 200 clock hours for a total of 400 clock hours.

Note(s):

- A 2.000 cumulative GPA must be attained in these major courses.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Sport Management / Marketing

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- History II Elective (3)
- Foreign Language Elective (3)
- SPMG 110 - Introduction to Sports Management

Total (15)

Second Semester

- PHIL 100 - Ethics as Introduction to Philosophy
- Mathematics Elective (3)
- COMM 101 - Oral Communication
- History II Elective (3)
- Foreign Language Elective (3)
- SPMG 195 - History of American Sport

Total (18)

Sophomore Year

First Semester

- • Science Elective (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- ECON 200 - Microeconomic Principles
- • Cultural Diversity Elective (1)
- COMM 207 - Interpersonal Communication

Total (16)

Second Semester

- • Science Elective (3)
- PHIL 290 - Theory of Knowledge
- • Sport Management Elective (3)
- ECON 201 - Macroeconomic Principles
- MATH 115 - Topics in Applied Mathematics or
- MATH 156 - General Statistics
- • Communication Arts Elective (3)

Total (18)

Junior Year

First Semester

- • Science Elective (3)
- SPMG 132 - Sociology of Sport
- SPMG 322 - Facility & Event Management
- INFO 200 - Managing Information Technology
- • Literature Elective (3)
- MKTG 300 - Principles of Marketing

Total (18)

Second Semester

- ACCT 200 - Introductory Financial Accounting
- • Philosophy Elective * (3)
- • Theo Ethics or Rel/Cult Elective (3)
- BLAW 300 - Legal Environment
- • Communication Arts Elective (3)
- SPMG 310 - Introduction to Sport Marketing

Total (18)

Senior Year

First Semester

- • Fine Arts Elective (3)
- SPMG 348 - Legal & Ethical Issues in Sport
- MGMT 300 - Managerial Behavior
- SPMG 410 - Sport Ethics
- • Sport Management Elective (3)

Total (15)

Second Semester

- SPMG 495 - Internship in Sport Management
- • Sport Management Elective (3)

Total (12)

Note(s):

- * [PHIL 321](#) , Ethical Business Decisions is recommended but other ERS courses satisfy the requirement.

Scheduling Notes:

- Consult the " [Undergraduate Core Curriculum](#) " requirements of the Catalog.
- The E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 120 credit hours is required for the degree, with the program typically composed of 130-136 credit hours.

Master of Education

Sport Administration, M.Ed.

The degree of Master of Education with a concentration in Sport Administration is designed to prepare an individual for a career within the expanding sport industry. The program was designed utilizing the guidelines recommended by the North American Society for Sport Management (NASSM).

A three semester hour internship, six semester hour internship, or a research project is required, depending on each student's individual background and career goals. The internship may be taken after a student has successfully completed 15 semester hours. Internships are planned and supervised learning activities which take place in a sport administration related environment. The student will be supervised by a sport management practitioner. There is no comprehensive exam.

Admission Requirements

For admission information for the graduate level programs, go to <http://www.xavier.edu/sport-administration/> on the Xavier University website. The program is designed to be accessible to full-time or part-time students. Classes are held in the evenings. Students may be admitted to the program in any semester.

Requirements for the M.Ed. in Sport Administration:

This M.Ed. degree requires a minimum of 30 credit hours with a minimum overall GPA of 2.800.

Core Requirements (15 semester hours)

- SPMG 521 - Introduction to Sport Administration
- SPMG 522 - Sport Research & Statistics
- SPMG 595 - Sports Administration Marketing
- SPMG 596 - Sports Administration: Finance
- SPMG 598 - Legal & Ethical Issues in Sport & Physical Education

Research and Field Experience (3-6 semester hours), select one option

- SPMG 692 - Sport Administration Research Project or
- SPMG 695 - Internship in Sport Administration

Elective Courses (6-9 semester hours)

- SPMG 523 - Sports Administration Seminar
- SPMG 570 - Psycho-Social Aspects of Sport
- SPMG 610 - Sport Ethics
- SPMG 622 - Personnel Issues in Sport Management
- SPMG 625 - High School Athletic Administration
- SPMG 632 - Sport Event Management & Promotion
- SPMG 642 - Sport Fundraising
- SPMG 652 - NCAA: Rules, Regulations, and Policies
- SPMG 654 - Women in Sport
- SPMG 662 - Public Relations and Communication in Sport
- SPMG 664 - Facility Design & Planning
- SPMG 666 - Fitness Management
- SPMG 668 - Administration of Fitness & Wellness Programs

School of Education

The School of Education offers teacher licensure programs approved by the Ohio State Board of Education as listed under Teacher Licensure below, and awards the Bachelor of Science degree in the following areas: Early Childhood Education, Middle Childhood Education, Special Education, Teaching Sciences, Montessori Education. Minors are offered in Professional Education and Montessori Education. An Associate of Science degree in Early Childhood Education is also offered.

At the graduate level, the Master of Education degree is available in many concentrations. See the "[Master of Education](#)" section for the list of options. Also offered is the Executive MEd in Human Resource Development.

Master of Education

Master of Education

The Master of Education, a professional degree, is designed to meet the needs of professional educators. This degree is awarded to the candidate who has demonstrated a capacity for improving the quality of teaching within the particular sphere of his or her influence by satisfactorily completing a program of graduate work designed to give these characteristics:

- Broad knowledge of the principles and techniques of education in modern society.
- Specific knowledge of one major area of the field of education.
- Essential understanding and skills necessary for intelligent consumption of educational research.

To ensure comprehensiveness in their programs for the Master of Education degree, candidates should include in their programs 12 hours of general survey courses (or alternate courses as indicated by specific program) designed to provide integrated coverage of the broad field of education. These courses (credit hours) are:

[EDFD 501](#) Philosophy of Education (3) or [EDFD 502](#) History of American Education (3)
[EDFD 503](#) Advanced Educational Psychology (3)
[EDFD 505](#) Educational Administration (3).
[EDFD 507](#) Educational Research (2) and [EDFD 508](#) Educational Research Paper (1).

To ensure their mastery of a particular area of education, candidates must include a concentration of at least 12 credit hours in one of the following areas:

Administration, Art, Biology, Business Education, Chemistry, Classics, Elementary Education, English, French, German, History, Political Science, Mathematics, Montessori Education, Multi-cultural Literature for Children, Music, Philosophy, Psychology, Reading, Secondary Education, Spanish, Special Education, Theology.

The Master of Education program invites applications from students with a bachelor's degree and a solid academic record. Admission decisions are based on factors such as past academic performance, standardized test score, and other information submitted.

Go to <http://www.xavier.edu/education/> to reference program information and admission requirements.

A minimum of thirty hours is normally required for the degree of Master of Education. These shall be distributed as follows:

- General surveys in education, 12 credit hours.
- Concentration, 12 credit hours. (Certain concentrations may require more than 12 semester hours, particularly where state certification requirements are involved.)
- Pertinent electives, 6 credit hours.

A student's Master of Education program may not include more than 6 semester hours of workshops, unless by special arrangement with the department chair. The Master of Education degree will be awarded only to candidates who have passed an extensive written examination covering their particular field of concentration (e.g., administration) or covering the four general survey courses in education if they have concentrated in a subject matter field or in elementary or secondary education. The comprehensive exam is not required for the MEd in Human Resource Development, Sport Administration. Should the student fail the comprehensive examination, it may be repeated only once.

Note: The University is not obliged to recommend licensure of any type on the basis of the completion of a Master of Education degree or specific course work in education. Students must also meet leadership, communication, and character requirements and pass the required PRAXIS tests of the State Department of Education for each specific license.

Xavier University also offers an innovative, integrated MSN/MEd program consisting of at least 54 semester credit hours. The student will receive two separate degrees, the Master of Science in Nursing and the Master of Science in Education. This program was developed in response to a community need for nurse educators. The MSN/MEd prepares the graduate to administer and teach in educational settings (i.e., CE providerships, in-service educators and nurse educators). See the School of Nursing section of this document for additional details.

School of Education: Childhood Education and Literacy

Xavier University's Department of Childhood Education and Literacy is dedicated to the pursuit of knowledge and to the orderly discussion of critical issues confronting educators in a free, inquiry-based environment committed to current and relevant scholarship and research related to our profession. Xavier University seeks to create awareness of social justice in all disciplines through its emphasis on living the Jesuit tradition of intellectual, moral, and spiritual preparation. The candidates in the Early Childhood, Middle Childhood, Montessori and Literacy programs, through their academic and professional training, are prepared to value the lives of children regardless of racial, linguistic, socio-economic, religious, or ethnic background and to work with and value family and school structures in both urban, rural, and suburban settings. Special attention is given to developmentally effective practices and advocacy for all children, with ethical issues and values as expressed through the Jesuit tradition. Thus, the Childhood Education and Literacy preparation at Xavier University strives to send out into the education community candidates who are morally sensitive to the academic and social needs of our time, foster an appreciation for human diversity, reason critically, and think creatively. Candidates in the Childhood Education and Literacy Department are encouraged to develop and maintain a disposition toward lifelong learning in the profession of education and to the service of their students and their students' families and communities.

The Department of Childhood Education and Literacy offers teacher licensure programs approved by the Ohio State Board of Education as listed under Teacher Licensure below, and awards the Bachelor of Science degree in the following areas: Early Childhood Education, Middle Childhood Education, as well as American Montessori Society certification in Montessori pre-primary and primary teaching. Updates and/or changes to licensure are dictated by the State of Ohio and may supersede the requirements listed for licensure in this catalog.

The Master of Education degree is available in many concentrations. See the "Master of Education" section for the list of options. Students who do not meet acceptable performance standards in field experiences may be excluded from specific programs.

The following pages outline the requirement for these licenses. Specific brochures on these programs are available and give suggested sequences of courses and rules for admission to the program. Please note that courses required for licensure which are more than 10 years old may need to be repeated.

Teacher Education Program Steps for Admission and Continual Progress for Licensure in the Following Programs: Early Childhood, Early Childhood/Montessori, Middle Childhood*

Step One:

- Student is accepted into the University based on high school grade point average and SAT or ACT scores.
- Nontraditional student with no college admission scores will substitute PRAXIS 1 as entry test in order to declare major or minor.
- Student declares major as Early Childhood or Middle Childhood Education.

Step Two:

- Completion of Step One.
- Student completes first year at Xavier with a grade point average of 2.500 or higher.
- Required grades in following courses:
 - English 101 "B" or higher.
 - Mathematics (as placement dictates) "C" or higher.
 - Introductory Education course (program dictates) "B" or higher.
- Following items completed and filed with Education Office:
 - Notarized "Statement of Moral Character".
 - "Application for Admission" form.
 - "Career Objectives" form.
- Student is notified of acceptance into chosen program.

Step Three:

- Completion of Step Two.
- Required grades for continuation through major/minor:
 - Overall grade point average of 2.500.
 - Grade of B in required major/minor courses (see program handbook for detailed information).
 - Grade of "C" or higher in second mathematics course.
- Student's portfolio reflects key assignments from educational foundations and curriculum courses.
- Evaluation forms completed by University personnel and field work cooperating teachers indicate progress in development of knowledge, performance skills, and dispositions for teaching (see program requirements).

Step Four:

- Completion of Step Three.
- Application for internship/student teaching is approved. All foundation, methods, block courses, and majority of subject concentration courses must be completed for commencement of internship semester/s.
- Prior to internship, one or two (varies with program) required PRAXIS II exams must be passed and results on file in Certification Office of Education Department (see handbooks or Xavier website for specific test titles and codes).

Step Five:

- Successful completion of internship/student teaching in Early or Middle Childhood.
- Record of on-site visits by University supervisor.
- Midterm and final evaluations from cooperating teacher.
- Two conferences with University supervisor and cooperating teacher.
- Successful completion of exit portfolio.
- All required PRAXIS II exams passed and results on file in Certification Office.
- Licensure application materials complete and on file in Certification Office.

* See “Handbook for Early and Middle Childhood Education” for further information. Available in the Department of Childhood Education and Literacy office.

Bachelor of Science

Early Childhood Education (Pre-K To 3), B.S.

Early Childhood Education will license a (Ohio) teacher to work with children ages 3 through 8, or preschool through grade three. The course of study has child development at the core of pedagogical decisions. The approach is holistic, with a strong emphasis on an integrated learning approach. Practices based in child development and intense reading instruction are integral to the program. Field experience and student teaching occur at both the preschool and primary level. Updates and/or changes to licensure are dictated by State of Ohio and may supersede the requirements listed for licensure in the catalog.

Requirements for the Early Childhood Education Major

Undergraduate core curriculum requirements:

64 credit hours, including:

- Cultural Diversity: fulfilled in the major with [EDFD 260](#) .
- Literature: fulfilled in the major with [EDCH 324](#) .
- Science: must be met with physical (CHEM or PHYS) and biological (BIOL) sciences.
- Social Sciences: included in the major requirements.
- The E/RS Focus Elective that meets another core requirement should be chosen.

Major requirements:

72 credit hours, as follows

3 hours of art from

- ARTS 222 - Art in Early Childhood Education

3 hours of literature from

- EDCH 324 - Children's Literature for Early Childhood

66 hours of education courses from

- EDFD 100 - Introduction to Education
- EDFD 110 - Human Development & Learning
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- EDEC 210 - Early Childhood Development
- EDEC 230 - Play in Early Childhood Education
- EDEC 325 - Methods of Observation/Collaboration
- EDEC 330 - Math/Science Block-Early Childhood Education
- EDEC 335 - Language Arts/Social Studies-Early Childhood Education
- EDEC 340 - Integrated Curriculum-Early Childhood
- EDEC 450 - Student Teaching: Early Childhood
- EDEC 451 - Seminar: Current Issues/Early Childhood
- EDME 359 - Full Day Child Care
- EDRE 269 - Phonics & Foundation of Literacy
- EDRE 312 - Reading Methods for Early Childhood
- EDRE 471 - Content Area Literacy
- EDRE 478 - Diagnosis/Correction of Reading Disabilities
- EDSP 205 - Foundations in Early Childhood Special Education

Additional Major requirement:

3 credit hours

- COMM 101 - Oral Communication

Note(s):

- A 3.000 cumulative GPA must be attained in these major courses.
- See "Steps for Admission and Continual Progress for Licensure in Early Childhood."
- Also see "Handbook for Early and Middle Childhood."

B.S. Early Childhood Education

This block serves as a guideline only. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- EDFD 110 - Human Development & Learning
- THEO 111 - Theological Foundations
- History I Elective (3)
- Foreign Language Elective (3)

Total (15)

Second Semester

- EDFD 100 - Introduction to Education
- • Science Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • History II Elective (3)
- • Foreign Language Elective (3)

Total (18)

Sophomore Year

First Semester

- • Theo Scrip/Hist or Christ Sys Elective (3)
- EDEC 210 - Early Childhood Development
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- MATH 201 - Foundations of Arithmetic for Early Childhood Teachers
- • Science Elective (3)

Total (18)

Second Semester

- • Science Elective (3)
- EDCH 324 - Children's Literature for Early Childhood
- EDRE 269 - Phonics & Foundation of Literacy
- EDRE 312 - Reading Methods for Early Childhood
- MATH 202 - Geometry & Measurement -ECED
- PHIL 290 - Theory of Knowledge

Total (18)

Junior Year

First Semester

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- EDME 359 - Full Day Child Care
- EDEC 325 - Methods of Observation/Collaboration
- EDEC 330 - Math/Science Block-Early Childhood Education
- ARTS 222 - Art in Early Childhood Education

Total (18)

Second Semester

- EDSP 205 - Foundations in Early Childhood Special Education
- EDEC 230 - Play in Early Childhood Education
- EDEC 335 - Language Arts/Social Studies-Early Childhood Education
- EDEC 340 - Integrated Curriculum-Early Childhood

Total (15)

Senior Year

First Semester

- EDEC 450 - Student Teaching: Early Childhood
- EDEC 451 - Seminar: Current Issues/Early Childhood
- EDRE 478 - Diagnosis/Correction of Reading Disabilities

Total (15)

Second Semester

- • Fine Arts Elective (3)
- • Philosophy Elective (3)
- EDRE 471 - Content Area Literacy
- • Theology Ethics or Rel/Cult Elective (3)
- • E/RS Focus Elective (3)

Total (15)

Scheduling Notes:

- Course sequence shown above is realistic only for the student who declares the Early Childhood major as a freshman. It is not the only advisable sequence.
- A minimum of 130 credit hours is typically required for the degree, with 120 hours as absolute minimum.
- An overall cumulative GPA of 2.500 is required for graduation.
- The sequence of courses in the program is subject to change.
- Students should consult with advisor to plan fall internship/student teaching in the senior year.
- Study Abroad is possible – consult with advisor early in program
- Student should consult with advisor to plan fall internship/student teaching.

Generalist Endorsement for Grades 4/5

A series of courses offered for the undergraduate student who is a candidate for the Ohio Early Childhood License/Grades P-3. To receive the endorsement the candidate must qualify for the Ohio Early Childhood license, complete the 9 credit hours described below, and pass the Praxis II examination: Elementary Content Knowledge. Undergraduates must complete the following prerequisites PRIOR to enrolling in the EDEL/Endorsement series of courses: [EDEC 330](#) and [EDEC 335](#) .

- EDEL 440 Middle Childhood Transitions: Development and Management (1)
- EDEL 441 Mathematics Content, Pedagogy, and Assessment Grades 4-5 (2)
- EDEL 442 Science Content, Pedagogy, and Assessment Grades 4-5 (2)
- EDEL 443 Language Arts Content, Pedagogy, and Assessment Grades 4-5 (2)
- EDEL 444 Social Studies Content, Pedagogy, and Assessment Grades 4-5 (2)

Middle Childhood Education (Grades 4 - 9), B.S.

The Middle Childhood Education licensed (Ohio) teacher works with ages 9 through 14, or grades 4 through 9, in two fields of concentration. The teacher candidate will choose two fields from the concentration areas of Social Studies, Mathematics, Science, and Reading/Language Arts. Upon successful completion of requirements and acceptance of licensure application, candidates will receive a Middle Childhood license from the State of Ohio.

Students choosing Middle Childhood will be required to take 21-24 hours in each of the two content areas that they choose for licensure. All students will have at least 12 hours in reading instruction. Students will experience interdisciplinary learning, a hallmark of middle childhood education, as part of their learning experience at Xavier. The middle school teaching concept is unique, and our students will be prepared for curriculum, pedagogy, philosophy and organization of the middle school. Field experience and internship/student teaching will occur in both subject areas and at two age levels. Updates and/or changes to licensure are dictated by State of Ohio and may supersede the requirements listed for licensure in the catalog.

Requirements for the Middle Childhood Education Major

Undergraduate core curriculum requirements:

64 credit hours, including

- Cultural Diversity: fulfilled in the major with [EDFD 260](#) (Cultural Diversity in Education).
- Literature: fulfilled in major with [EDCH 326](#) .
- Mathematics: Students with concentration fields other than mathematics (where course requirements are specific) satisfy mathematics core with [MATH 211](#) and [MATH 212](#) .
- Science requirement must be met with physical (PHYS or CHEM) and biological (BIOL) sciences.
- Social Sciences: included in the major requirements.- The E/RS Focus Elective that meets another core requirement should be chosen.

Note(s):

- A 2.500 cumulative overall GPA is required for admission to program and must be maintained for the Bachelor of Science degree.

Major requirements:

60 credit hours, as follows

Specific education courses required, take

- EDFD 100 - Introduction to Education
- EDFD 110 - Human Development & Learning
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- EDMC 212 - Nature & Needs of Adolescents
- EDMC 325 - Arts in Education: Middle Childhood
- EDMC 340 - Middle School Philosophy & School Organization
- EDMC 345 - Introduction to EDMC Collaboration/Classroom Management
- EDMC 455 - Student Teaching: Middle School
- EDMC 456 - Seminar: Current Issues in EDMC
- EDRE 269 - Phonics & Foundation of Literacy
- EDRE 314 - Reading Methods for Middle Childhood
- EDRE 471 - Content Area Literacy
- EDRE 478 - Diagnosis/Correction of Reading Disabilities
- EDCH 326 - Children's Literature for Middle Childhood
- EDSP 200 - Special Education: Identification & Issues

and two courses from

- EDMC 351 - EDMC Language Arts Curriculum/Pedagogy & Assessment
- EDMC 352 - EDMC Math Curriculum/Pedagogy & Assessment
- EDMC 353 - EDMC Science Curriculum/Pedagogy & Assessment
- EDMC 354 - EDMC Social Studies Curriculum/Pedagogy & Assessment

Note(s):

- A 3.000 cumulative GPA must be attained in these major courses.

Concentration requirements:

21-24 credit hours for each and must complete 2 of the following 4 concentrations.

Mathematics

(21 hours required, with 15 hours beyond the core curriculum)

- MATH 116 - Elementary Statistics or
- MATH 156 - General Statistics
- MATH 211 - Foundation of Arithmetic for Middle Childhood Teachers
- MATH 212 - Geom & Measurement MCED
- MATH 213 - Algebra Concepts -MCED

and 2 courses from

- MATH 120 - Elementary Functions
- MATH 150 - Elements of Calculus I or
- MATH 170 - Calculus I
- MATH 151 - Elements of Calculus II or
- MATH 171 - Calculus II

Reading/Language Arts

(24 hours required, with 15 beyond the core curriculum)

- ENGL 101 - English Composition
- ENGL 115 - Rhetoric
- ENGL 205 - Literature & Moral Imagination
- COMM 207 - Interpersonal Communication
- EDCH 320 - Multi-Cultural Literature for Children
- EDCH 326 - Children's Literature for Middle Childhood
- EDCH 305 - Storytelling as a Cultural Craft
- THTR 210 - Acting I

1 course from

- ENGL 320 - Topics in Linguistics
- ENGL 321 - History of the English Language
- ENGL 322 - Ethnolinguistics
- ENGL 323 - Media and Its Discourses

1 course from

- ENGL 304 - Teaching & Research in Writing
- ENGL 308 - Creative Writing
- ENGL 310 - Creative Writing: Fiction
- ENGL 311 - Popular Writing
- ENGL 314 - Writing Journals & Autobiography
- ENGL 318 - Creative Nonfiction
- EDCH 310 - Writing & Publishing for Children

and 1 more Lit course from

- ENGL 128 - Studies in Black Literature
- ENGL 132 - Studies in Women's Literature
- ENGL 331 - World Literature
- ENGL 352 - African Literature
- ENGL 371 - War & Peace in World Literature

Sciences

(21 hours required, with 12 hours beyond the core curriculum)

- BIOL 120 - Life: Ecology & People
- BIOL 125 - Life Lab: Investigation I
- BIOL 127 - Life Lab: Investigation II
- BIOL 130 - Introduction to Life Sciences
- BIOL 131 - Introduction to Life Sciences Lab
- CHEM 102 - Chemistry: Environment and Energy
- CHEM 103 - Chemistry: Environment and Energy Lab
- CHEM 104 - Chemistry: Life and Health
- CHEM 105 - Chemistry: Life and Health Lab
- PHYS 114 - Our Universe: Physical Science
- PHYS 115 - Our Universe: Physical Science Lab

- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab

and 3 more hours of science from

- BIOL, CHEM or PHYS.

Social Studies

(24 hours required, with 18 hours beyond the core curriculum)

- ECON 200 - Microeconomic Principles
- EDMS 207 - World & Cultural Geography
- HIST 105 - World Civilizations I
- HIST 106 - World Civilizations II
- HIST 143 - U.S. History I
- POLI 140 - American Government and Politics
- SOCI 180 - Culture & Society

and 1 course from

- HIST 144 - U.S. History II
- HIST 325 (3)
- HIST 329 - Urban America

Note(s):

- See "Steps for Admission and Continual Progress for Licensure in Early Childhood."
- Also see "Handbook for Early and Middle Childhood."

B.S. Middle Childhood Education

This block serves as a guideline only. See your academic advisor.

Specific core and concentration courses are not indicated below due to the nature of the middle childhood program. Concentration sets (i.e. math & science, etc.) will differ among students and therefore courses will vary.

Freshman Year

First Semester

- Core/Concentration Courses (12)
- EDFD 110 - Human Development & Learning

Total (15)

Second Semester

- • Core/Concentration Courses (12)
- EDFD 100 - Introduction to Education

Total (18)

Sophomore Year

First Semester

- • Core/Concentration Courses (9)
- MATH 211 - Foundation of Arithmetic for Middle Childhood Teachers
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education

Total (18)

Second Semester

- • Core/Concentration Courses (6)
- MATH 212 - Geom & Measurement MCED
- EDSP 200 - Special Education: Identification & Issues
- EDCH 326 - Children's Literature for Middle Childhood
- EDMC 212 - Nature & Needs of Adolescents

Total (18)

Junior Year

First Semester

- • Core/Concentration Courses (9)
- EDRE 269 - Phonics & Foundation of Literacy
- EDRE 314 - Reading Methods for Middle Childhood
- EDMC 340 - Middle School Philosophy & School Organization

Total (18)

Second Semester

- • Core/Concentration Courses (6)
- EDMC 345 - Introduction to EDMC Collaboration/Classroom Management
- EDMC 325 - Arts in Education: Middle Childhood
- EDMC 351 - EDMC Language Arts Curriculum/Pedagogy & Assessment
- EDMC 352 - EDMC Math Curriculum/Pedagogy & Assessment
- EDMC 353 - EDMC Science Curriculum/Pedagogy & Assessment
- EDMC 354 - EDMC Social Studies Curriculum/Pedagogy & Assessment

Total (18)

Senior Year

First Semester

- EDMC 455 - Student Teaching: Middle School
- EDMC 456 - Seminar: Current Issues in EDMC
- EDRE 471 - Content Area Literacy

Total (15)

Second Semester

- • Core/Concentration Courses (15)
- EDRE 478 - Diagnosis/Correction of Reading Disabilities

Total (18)

Scheduling Notes:

- Course sequence is realistic only for the student who declares the Middle Childhood major as a freshman.
- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- A minimum of 138 credit hours is required for the degree.
- The sequence of courses in the program is subject to change.
- Due to the concentrations required in this program, students will need at least ten additional hours of content area courses.
- Advanced placement credit and summer course work may be applied to core or concentration requirements.
- Off-Campus courses are approved by college dean. See advisor for procedure.

Middle Childhood Generalist Endorsement

The Middle Childhood Generalist (MCG) Endorsement allows the teaching candidate with two licensure areas to add either one or two more content areas specifically for teaching in a self contained 4th, 5th, or 6th grade classroom. This endorsement is not valid for holders of any license other than Ohio Middle Childhood Education. Updates and/or changes to licensure are dictated by the State of Ohio and may supersede the requirements listed for licensure in the catalog.

To have the MCG endorsement added to the MCE license:

- The candidate must have previously completed a MC Education program in two content areas and hold a valid MCE license (*we will assume that our initial licensure candidate will apply for the endorsement along with, or soon after application for the initial license in two areas*); and
- In addition to successfully completing the **MCG Endorsement course work** in either one or two additional areas, the candidate must also successfully complete the required Praxis II test(s).

Either the candidate must pass:

- Elementary Education Content Knowledge (0014); **or**
- the candidate must pass the content area test for each content area added to the MCE license

The candidate must complete the following courses in the chosen content area.

Language Arts

- ENGL 304 - Teaching & Research in Writing
- EDCH 326 - Children's Literature for Middle Childhood

Mathematics

- MATH 213 - Algebra Concepts -MCED
- MATH 214 - Math Problem Solving -MCED

Science

- BIOL 130 - Introduction to Life Sciences
- BIOL 131 - Introduction to Life Sciences Lab
- PHYS 114 - Our Universe: Physical Science
- PHYS 115 - Our Universe: Physical Science Lab

Social Studies

- EDMS 207 - World & Cultural Geography
- POLI 140 - American Government and Politics

Montessori Education (Early Childhood Program) for State of Ohio License (Pre-K and K-3) and American Montessori Credential Early Childhood Ages 2 1/2 To 6, B.S.

Undergraduate Programs in Montessori Education

The philosophy of education taught in the Montessori program was researched by Dr. Maria Montessori, the first Italian woman to graduate from medical school in Rome in 1896. Dr. Montessori's philosophy supports the fundamental tenet that a child learns best within a social environment which supports each individual's unique development. Multi-age grouping in each class promotes peer group learning. The children work in a prepared learning environment that is child-centered and beautifully arranged with learning materials to aid the child in exploration of new ideas. The Montessori teacher learns to be a scientific observer and facilitator, providing an environment for children that is developmentally appropriate to help the child grow in all areas: social, cognitive, emotional, and physical.

An undergraduate degree will prepare you to practice your profession in the following ways:

- Public schools. You will be prepared to teach in Montessori public schools, traditional public school early childhood programs and traditional public school classrooms for kindergarten through third grade.
- Private schools. Our graduates teach in private Montessori schools all over the world. They are also teachers in traditional private schools.
- Hospitals. Hospitals hire our graduates for special children's programs.
- Child care centers. Our graduates are hired as administrators of child care centers.
- State and city child care licensing organization. Our graduates are hired as inspectors for these organizations.

The Xavier University Montessori Teacher Education Program is accredited by the MACTE Commission and grants an American Montessori Credential for Early Childhood and Elementary I students who complete all requirements also receive a State of Ohio Early Childhood License for Pre-K and K-3.

Bachelor of Science Degree in Montessori Education

Early Childhood Education
Ohio License for Pre-K and K-3
American Montessori Society Credential for Ages 2 1/2 to 6 Years
American Montessori Credential for Elementary I

Requirements for the Early Childhood / Montessori Education Major

Undergraduate core curriculum requirements:

64 credit hours, including:

- Cultural Diversity: fulfilled in the major with [EDFD 260](#) (Cultural Diversity in Education).
- English Composition/Rhetoric grade must be a "B" or above.
- Mathematics grade must be a "C" or above.
- Literature: fulfilled in the major with [EDCH 324](#) .
- Science: must be met with physical (CHEM or PHYS) and biological (BIOL) sciences.
- Social Sciences: included in the major requirements.
- The E/RS Focus Elective that meets another core requirement should be chosen.

Major requirements:

66 credit hours, as follows:

39 hours of education courses from:

- EDFD 100 - Introduction to Education
- EDFD 110 - Human Development & Learning
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- EDEC 210 - Early Childhood Development
- EDEC 230 - Play in Early Childhood Education
- EDME 350 - Methods of Observation of Children
- EDME 351 - Montessori Education: Philosophical Approach
- EDME 354 - Montessori Language Arts & Reading Methods
- EDME 359 - Full Day Child Care
- EDME 376 - Phonics Skills for Early Childhood
- EDRE 312 - Reading Methods for Early Childhood
- EDSP 205 - Foundations in Early Childhood Special Education

3 hours of literature from

- EDCH 324 - Children's Literature for Early Childhood

24 hours of Ohio License requirements, as follows:

Early Childhood Credential (Pre-K and K-3):

- EDME 364 - Early Childhood/Montessori Methods
- EDME 366 - Montessori Curriculum Design & Teaching Strategies I: Early Childhood
- EDME 367 - Montessori Curriculum Design & Teaching Strategies II: Early Childhood
- EDME 377 - Early Childhood Math & Science
- EDME 473 - Montessori Early Childhood Practicum I
- EDME 474 - Montessori Early Childhood Practicum II

Elementary I Credential (Pre-K and K-3):

- EDME 352 - Montessori Curriculum Design & Teaching Strategies: Primary
- EDME 353 - Montessori Math & Geometry Methods
- EDME 355 - Montessori Cultural Subjects Method
- EDME 356 - Montessori Integration of Curriculum: Primary
- EDME 470 - Montessori Primary Practicum I
- EDME 471 - Montessori Primary Practicum II

Additional Requirements:

- A questionnaire form must be in the file by the end of freshman year.
- Three letters of recommendation must be in student's file during the sophomore year.
- A moral character form must be in the file by sophomore year.
- A signed copy of the handbook signature page must be in the file by sophomore year.
- Application for student teaching must be turned in by spring of junior year.
- Application and fees for American Montessori Credential must be turned in the summer before senior year.
- PRAXIS exams must be taken the first semester of senior year.

Note(s):

- A 2.700 grade point average must be achieved in all the education courses for the major.
- All Montessori education courses must have a grade of "B" or above.

B.S. Montessori Education (Early Childhood program) with State of Ohio License (Pre-K and K-3) and American Montessori Credential Early Childhood Ages 2 1/2 to 6

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language Elective (3)
- Mathematics Elective (3)
- History I Elective (3)

- THEO 111 - Theological Foundations

Total (15)

Second Semester

- EDFD 100 - Introduction to Education
- • Foreign Language Elective (3)
- • Mathematics Elective (3)
- • History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- EDFD 110 - Human Development & Learning
- • Science Elective (3)
- PHIL 290 - Theory of Knowledge
- EDME 351 - Montessori Education: Philosophical Approach
- COMM 101 - Oral Communication
- EDME 364 - Early Childhood/Montessori Methods

Total (18)

Second Semester

- • Science Elective (3)
- EDEC 210 - Early Childhood Development
- • Theo Scrip/Hist or Christ Sys Elective (3)
- • EDSP 202 (3)
- EDME 376 - Phonics Skills for Early Childhood
- EDRE 312 - Reading Methods for Early Childhood

Junior Year

First Semester

- • Science Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination
- SPAN 205 - Hispanic Literature & Moral Imagination or
- EDME 354 - Montessori Language Arts & Reading Methods

Total (18)

Second Semester

- EDFD 251 - Instructional Technology
- EDCH 324 - Children's Literature for Early Childhood
- EDME 377 - Early Childhood Math & Science
- EDEC 330 - Math/Science Block-Early Childhood Education
- EDFD 260 - Cultural Diversity in Education
- • Philosophy Elective (3)

Total (18)

Senior Year

First Semester

- • E/RS Focus Elective (3)
- EDME 359 - Full Day Child Care
- EDME 366 - Montessori Curriculum Design & Teaching Strategies I: Early Childhood
- EDME 473 - Montessori Early Childhood Practicum I

Total (15)

Second Semester

- EDME 350 - Methods of Observation of Children
- EDME 367 - Montessori Curriculum Design & Teaching Strategies II: Early Childhood
- EDME 474 - Montessori Early Childhood Practicum II
- EDRE 478 - Diagnosis/Correction of Reading Disabilities

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the Core or the major.
- A minimum of 129 credit hours is typically required for the degree, with 120 hours as absolute minimum.
- An overall cumulative GPA of 2.500 is required for graduation.

Montessori Education (Early Childhood Program) for State of Ohio License (Pre-K and K-3) and American Montessori Credential Elementary I, B.S.

Undergraduate Programs in Montessori Education

The philosophy of education taught in the Montessori program was researched by Dr. Maria Montessori, the first Italian woman to graduate from medical school in Rome in 1896. Dr. Montessori's philosophy supports the fundamental tenet that a child learns best within a social environment which supports each individual's unique development. Multi-age grouping in each class promotes peer group learning. The children work in a prepared learning environment that is child-centered and beautifully arranged with learning materials to aid the child in exploration of new ideas. The Montessori teacher learns to be a scientific observer and facilitator, providing an environment for children that is developmentally appropriate to help the child grow in all areas: social, cognitive, emotional, and physical.

An undergraduate degree will prepare you to practice your profession in the following ways:

- Public schools. You will be prepared to teach in Montessori public schools, traditional public school early childhood programs and traditional public school classrooms for kindergarten through third grade.
- Private schools. Our graduates teach in private Montessori schools all over the world. They are also teachers in traditional private schools.
- Hospitals. Hospitals hire our graduates for special children's programs.
- Child care centers. Our graduates are hired as administrators of child care centers.
- State and city child care licensing organization. Our graduates are hired as inspectors for these organizations.

The Xavier University Montessori Teacher Education Program is accredited by the MACTE Commission and grants an American Montessori Credential for Early Childhood and Elementary I students who complete all requirements also receive a State of Ohio Early Childhood License for Pre-K and K-3.

Bachelor of Science Degree in Montessori Education

Early Childhood Education
Ohio License for Pre-K and K-3
American Montessori Society Credential for Ages 2 1/2 to 6 Years
American Montessori Credential for Elementary I

Requirements for the Early Childhood / Montessori Education Major

Undergraduate core curriculum requirements:

64 credit hours, including:

- Cultural Diversity: fulfilled in the major with [EDFD 260](#) (Cultural Diversity in Education).
- English Composition/Rhetoric grade must be a "B" or above.
- Mathematics grade must be a "C" or above.
- Literature: fulfilled in the major with [EDCH 324](#).
- Science: must be met with physical (CHEM or PHYS) and biological (BIOL) sciences.
- Social Sciences: included in the major requirements.
- The E/RS Focus Elective that meets another core requirement should be chosen.

Major requirements:

66 credit hours, as follows:

39 hours of education courses from:

- EDFD 100 - Introduction to Education
- EDFD 110 - Human Development & Learning
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- EDEC 210 - Early Childhood Development
- EDEC 230 - Play in Early Childhood Education
- EDME 350 - Methods of Observation of Children
- EDME 351 - Montessori Education: Philosophical Approach
- EDME 354 - Montessori Language Arts & Reading Methods
- EDME 359 - Full Day Child Care
- EDME 376 - Phonics Skills for Early Childhood
- EDRE 312 - Reading Methods for Early Childhood
- EDSP 205 - Foundations in Early Childhood Special Education

3 hours of literature from

- EDCH 324 - Children's Literature for Early Childhood

24 hours of Ohio License requirements, as follows:

Early Childhood Credential (Pre-K and K-3):

- EDME 364 - Early Childhood/Montessori Methods
- EDME 366 - Montessori Curriculum Design & Teaching Strategies I: Early Childhood
- EDME 367 - Montessori Curriculum Design & Teaching Strategies II: Early Childhood
- EDME 377 - Early Childhood Math & Science
- EDME 473 - Montessori Early Childhood Practicum I
- EDME 474 - Montessori Early Childhood Practicum II

Elementary I Credential (Pre-K and K-3):

- EDME 352 - Montessori Curriculum Design & Teaching Strategies: Primary
- EDME 353 - Montessori Math & Geometry Methods
- EDME 355 - Montessori Cultural Subjects Method
- EDME 356 - Montessori Integration of Curriculum: Primary
- EDME 470 - Montessori Primary Practicum I
- EDME 471 - Montessori Primary Practicum II

Additional Requirements:

- A questionnaire form must be in the file by the end of freshman year.
- Three letters of recommendation must be in student's file during the sophomore year.
- A moral character form must be in the file by sophomore year.
- A signed copy of the handbook signature page must be in the file by sophomore year.
- Application for student teaching must be turned in by spring of junior year.
- Application and fees for American Montessori Credential must be turned in the summer before senior year.
- PRAXIS exams must be taken the first semester of senior year.

Note(s):

- A 2.700 grade point average must be achieved in all the education courses for the major.
- All Montessori education courses must have a grade of "B" or above.

B.S. Montessori Education (Early Childhood program) with State of Ohio License (Pre-K and K-3) and American Montessori Credential Elementary I

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Foreign Language Elective (3)
- • Mathematics Elective (3)
- • History II Elective (3)
- THEO 111 - Theological Foundations

Total (15)

Second Semester

- EDFD 100 - Introduction to Education
- • Foreign Language Elective (3)
- • Mathematics Elective (3)
- • History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy

Total (15)

Sophomore Year

First Semester

- EDFD 110 - Human Development & Learning
- COMM 101 - Oral Communication
- • Science Elective (3)
- PHIL 290 - Theory of Knowledge
- EDME 353 - Montessori Math & Geometry Methods
- EDME 351 - Montessori Education: Philosophical Approach

Total (18)

Second Semester

- EDEC 210 - Early Childhood Development
- • Science Elective (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)
- EDME 376 - Phonics Skills for Early Childhood
- EDRE 312 - Reading Methods for Early Childhood
- • EDSP 202 (3)

Total (18)

Junior Year

First Semester

- • Science Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Reading Methods Elective (3)
- • Fine Arts Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)

Total (18)

Second Semester

- EDFD 251 - Instructional Technology
- EDCH 324 - Children's Literature for Early Childhood
- EDME 355 - Montessori Cultural Subjects Method
- EDEC 230 - Play in Early Childhood Education
- EDFD 260 - Cultural Diversity in Education
- • Philosophy Elective (3)

Total (18)

Senior Year

First Semester

- • E/RS Focus Elective (3)
- EDME 352 - Montessori Curriculum Design & Teaching Strategies: Primary

- EDME 359 - Full Day Child Care
- EDME 470 - Montessori Primary Practicum I

Total (15)

Second Semester

- EDME 350 - Methods of Observation of Children
- EDME 356 - Montessori Integration of Curriculum: Primary
- EDME 471 - Montessori Primary Practicum II
- EDRE 478 - Diagnosis/Correction of Reading Disabilities

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- A minimum of 129 credit hours is typically required for the degree, with 120 hours as absolute minimum.
- An overall cumulative GPA of 2.500 is required for graduation.

Associate of Science

Early Childhood Education, A.S.

American Montessori Credential for Early Childhood Requirements for the Associate Degree in Early Childhood Education

Undergraduate core curriculum requirements:

31 hours

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- THEO 111 - Theological Foundations
- History I Elective (3)
- EDME 359 - Full Day Child Care
- Fine Arts Elective (3)

Total (15)

Second Semester

- COMM 101 - Oral Communication
- PHIL 100 - Ethics as Introduction to Philosophy
- • Literature Elective (3)
- EDME 351 - Montessori Education: Philosophical Approach

Total (12)

Second Year

First Semester

- EDME 364 - Early Childhood/Montessori Methods
- EDSP 205 - Foundations in Early Childhood Special Education (*this also counts for Social Science credits*)
- • Fine Arts Elective (3)
- • Cultural Diversity Elective (1)
- • Science Elective (3)

Total (13)

Second Semester

- EDME 363 - Early Cognitive Development or
- EDFD 110 - Human Development & Learning (*this also counts for Social Science credits*)
- EDME 377 - Early Childhood Math & Science
- PHIL 290 - Theory of Knowledge
- EDME 376 - Phonics Skills for Early Childhood

Total (12)

Student Teaching Year

First Semester

- EDME 366 - Montessori Curriculum Design & Teaching Strategies I: Early Childhood
- EDME 473 - Montessori Early Childhood Practicum I
- EDME 350 - Methods of Observation of Children

Total (9)

Second Semester

- EDME 367 - Montessori Curriculum Design & Teaching Strategies II: Early Childhood
- EDME 474 - Montessori Early Childhood Practicum II
- • General Elective (3)

Total (12)

Note(s):

- This program may be applied to a four year degree program.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

License

Early Childhood

Teacher Licensure

The School of Education offers teacher licensure programs, approved by the Ohio State Board of Education, for early childhood, middle childhood, multi-age, adolescent to young adult (secondary), intervention specialist (mild/moderate, moderate/intensive, gifted/talented [graduate program only], and early childhood

intervention specialist) teaching, as well as American Montessori Society certification in Montessori preprimary and primary teaching. In addition, students can acquire a license at the graduate level for reading, counseling, administration and special education.

The following pages outline the requirements for these licenses. Specific brochures on these programs are available and give suggested sequences of courses and rules for admission to the program. Please note that courses required for licensure which are more than 10 years old may need to be repeated. In adolescent to young adult (grades 7 - 12) and pre-K - 12 teaching, students take a major in their area field and complete licensure requirements in professional education courses. Adolescent to young adults (grades 7 - 12) teaching licenses can be attained in the following subject fields: Integrated Language Arts, Integrated Mathematics, Integrated Social Sciences, Life Sciences, Life/Chemistry, Life/Physics and Physical Sciences (Chemistry/Physics). Multi-age (grades Pre-K - 12) teaching licenses can be attained in the following subject fields: Foreign Language (French, German, Greek, Latin or Spanish), Music, and Visual Arts. Intervention Specialist for grades K - 12 are available in mild/moderate educational needs and moderate/intensive educational needs. These are undergraduate or graduate programs. A licensure program (K - 12) at the graduate level only is also offered. Intervention Specialist (Early Childhood) licensure can be fulfilled at the undergraduate and graduate levels. Endorsements (Pre-Kindergarten Special Needs, Transition To Work, Gifted/Talented) may be added to an existing specific license on the graduate level. Need to consult Special Education Programs for specific details.

Teacher Education Program

Steps for Admission and Continual Progress for Licensure in the Following Programs:

- Early Childhood
- Middle Childhood
- Special Education
- Early Childhood/Montessori
- Professional Education

Step One:

- Student is accepted into the University based on high school grade point average and SAT or ACT scores.
- Nontraditional student with no college admission scores will substitute PRAXIS 1 as entry test in order to declare major or minor.
- Potential candidate declares major.

Step Two:

- Potential candidate completes first year at Xavier with a grade point average of 2.500 or higher.
- Required grades in following courses:
- [ENGL 101](#) "B" or higher.
- Mathematics (as placement dictates) "C" or higher.
- Introductory Education course (program dictates) "B" or higher.
- Following items completed and filed with Education Office:
- Notarized "Statement of Moral Character".
- "Application for Admission" form.
- "Reflection Question" form.
- Student is notified of acceptance into chosen program.

Step Three:

- Required grades for continuation through major/minor: detailed information.
- Grade of "C" or higher in second mathematics course.
- Overall grade point average of 2.500
- Grade of "B" or higher in required curriculum courses
- Candidate's portfolio reflects key assignments from educational foundations and curriculum courses.
- Evaluation forms completed by University personnel and field work cooperating teachers indicate progress in development of knowledge, performance skills, and dispositions for teaching.

Step Four:

- Application for internship/student teaching is approved. All foundation, methods, block courses, and majority of subject concentration courses must be completed for commencement of internship semester/s.
- Prior to internship, one of two/three or more required PRAXIS II exams must be passed and results on file in Certification Office of Education Department (see handbooks or Education Office for specific test titles and codes).

Step Five:

- Successful completion of internship/student teaching in Early, Middle, Professional or Special Education:
- Record of on-site visits by University supervisor.
- Midterm and final evaluations from cooperating teacher and field supervisor.
- Two conferences with University supervisor and cooperating teacher.
- Successful completion of exit portfolio.
- PRAXIS II exam results on file in Certification Office. (Should pass PRAXIS before student teaching as stated in Step Four.)
- Licensure application materials complete and on file in Certification Office.

Early Childhood/Montessori

Teacher Licensure

The School of Education offers teacher licensure programs, approved by the Ohio State Board of Education, for early childhood, middle childhood, multi-age, adolescent to young adult (secondary), intervention specialist (mild/moderate, moderate/intensive, gifted/talented [graduate program only], and early childhood intervention specialist) teaching, as well as American Montessori Society certification in Montessori preprimary and primary teaching. In addition, students can acquire a license at the graduate level for reading, counseling, administration and special education.

The following pages outline the requirements for these licenses. Specific brochures on these programs are available and give suggested sequences of courses and rules for admission to the program. Please note that courses required for licensure which are more than 10 years old may need to be repeated. In adolescent to young adult (grades 7 - 12) and pre-K - 12 teaching, students take a major in their area field and complete licensure requirements in professional education courses. Adolescent to young adults (grades 7 - 12) teaching licenses can be attained in the following subject fields: Integrated Language Arts, Integrated Mathematics, Integrated Social Sciences, Life Sciences, Life/Chemistry, Life/Physics and Physical Sciences (Chemistry/Physics). Multi-age (grades Pre-K - 12) teaching licenses can be attained in the following subject fields: Foreign Language (French, German, Greek, Latin or Spanish), Music, and Visual Arts. Intervention Specialist for grades K - 12 are available in mild/moderate educational needs and moderate/intensive educational needs. These are undergraduate or graduate programs. A licensure program (K - 12) at the graduate level only is also offered. Intervention Specialist (Early Childhood) licensure can be fulfilled at the undergraduate and graduate levels. Endorsements (Pre-Kindergarten Special Needs, Transition To Work, Gifted/Talented) may be added to an existing specific license on the graduate level. Need to consult Special Education Programs for specific details.

Teacher Education Program

Steps for Admission and Continual Progress for Licensure in the Following Programs:

- Early Childhood
- Middle Childhood
- Special Education
- Early Childhood/Montessori
- Professional Education

Step One:

- Student is accepted into the University based on high school grade point average and SAT or ACT scores.
- Nontraditional student with no college admission scores will substitute PRAXIS 1 as entry test in order to declare major or minor.
- Potential candidate declares major.

Step Two:

- Potential candidate completes first year at Xavier with a grade point average of 2.500 or higher.
- Required grades in following courses:
 - [ENGL 101](#) "B" or higher.
 - Mathematics (as placement dictates) "C" or higher.
 - Introductory Education course (program dictates) "B" or higher.
- Following items completed and filed with Education Office:
 - Notarized "Statement of Moral Character".
 - "Application for Admission" form.
 - "Reflection Question" form.
- Student is notified of acceptance into chosen program.

Step Three:

- Required grades for continuation through major/minor: detailed information.
- Grade of "C" or higher in second mathematics course.
- Overall grade point average of 2.500
- Grade of "B" or higher in required curriculum courses
- Candidate's portfolio reflects key assignments from educational foundations and curriculum courses.
- Evaluation forms completed by University personnel and field work cooperating teachers indicate progress in development of knowledge, performance skills, and dispositions for teaching.

Step Four:

- Application for internship/student teaching is approved. All foundation, methods, block courses, and majority of subject concentration courses must be completed for commencement of internship semester/s.
- Prior to internship, one of two/three or more required PRAXIS II exams must be passed and results on file in Certification Office of Education Department (see handbooks or Education Office for specific test titles and codes).

Step Five:

- Successful completion of internship/student teaching in Early, Middle, Professional or Special Education:
- Record of on-site visits by University supervisor.
- Midterm and final evaluations from cooperating teacher and field supervisor.
- Two conferences with University supervisor and cooperating teacher.
- Successful completion of exit portfolio.
- PRAXIS II exam results on file in Certification Office. (Should pass PRAXIS before student teaching as stated in Step Four.)
- Licensure application materials complete and on file in Certification Office.

Middle Childhood

Teacher Licensure

The School of Education offers teacher licensure programs, approved by the Ohio State Board of Education, for early childhood, middle childhood, multi-age, adolescent to young adult (secondary), intervention specialist (mild/moderate, moderate/intensive, gifted/talented [graduate program only], and early childhood intervention specialist) teaching, as well as American Montessori Society certification in Montessori preprimary and primary teaching. In addition, students can acquire a license at the graduate level for reading, counseling, administration and special education.

The following pages outline the requirements for these licenses. Specific brochures on these programs are available and give suggested sequences of courses and rules for admission to the program. Please note that courses required for licensure which are more than 10 years old may need to be repeated. In adolescent to young adult (grades 7 - 12) and pre-K - 12 teaching, students take a major in their area field and complete licensure requirements in professional education courses. Adolescent to young adults (grades 7 - 12) teaching licenses can be attained in the following subject fields: Integrated Language Arts, Integrated Mathematics, Integrated Social Sciences, Life Sciences, Life/Chemistry, Life/Physics and Physical Sciences (Chemistry/Physics). Multi-age (grades Pre-K - 12) teaching licenses can be attained in the following subject fields: Foreign Language (French, German, Greek, Latin or Spanish), Music, and Visual Arts. Intervention Specialist for grades K - 12 are available in mild/moderate educational needs and moderate/intensive educational needs. These are undergraduate or graduate programs. A licensure program (K - 12) at the graduate level only is also offered. Intervention Specialist (Early Childhood) licensure can be fulfilled at the undergraduate and graduate levels. Endorsements (Pre-Kindergarten Special Needs, Transition To Work, Gifted/Talented) may be added to an existing specific license on the graduate level. Need to consult Special Education Programs for specific details.

Teacher Education Program

Steps for Admission and Continual Progress for Licensure in the Following Programs:

- Early Childhood
- Middle Childhood
- Special Education
- Early Childhood/Montessori
- Professional Education

Step One:

- Student is accepted into the University based on high school grade point average and SAT or ACT scores.
- Nontraditional student with no college admission scores will substitute PRAXIS 1 as entry test in order to declare major or minor.
- Potential candidate declares major.

Step Two:

- Potential candidate completes first year at Xavier with a grade point average of 2.500 or higher.
- Required grades in following courses:
 - [ENGL 101](#) "B" or higher.
 - Mathematics (as placement dictates) "C" or higher.
 - Introductory Education course (program dictates) "B" or higher.
- Following items completed and filed with Education Office:
 - Notarized "Statement of Moral Character".
 - "Application for Admission" form.
 - "Reflection Question" form.
- Student is notified of acceptance into chosen program.

Step Three:

- Required grades for continuation through major/minor: detailed information.
- Grade of "C" or higher in second mathematics course.
- Overall grade point average of 2.500
- Grade of "B" or higher in required curriculum courses
- Candidate's portfolio reflects key assignments from educational foundations and curriculum courses.
- Evaluation forms completed by University personnel and field work cooperating teachers indicate progress indevelopment of knowledge, performance skills, and dispositions for teaching.

Step Four:

- Application for internship/student teaching is approved. All foundation, methods, block courses, and majority of subject concentration courses must be completed for commencement of internship semester/s.
- Prior to internship, one of two/three or more required PRAXIS II exams must be passed and results on file in Certification Office of Education Department (see handbooks or Education Office for specific test titles and codes).

Step Five:

- Successful completion of internship/student teaching in Early, Middle, Professional or Special Education:
- Record of on-site visits by University supervisor.
- Midterm and final evaluations from cooperating teacher and field supervisor.
- Two conferences with University supervisor and cooperating teacher.
- Successful completion of exit portfolio.
- PRAXIS II exam results on file in Certification Office. (Should pass PRAXIS before student teaching as stated in Step Four.)
- Licensure application materials complete and on file in Certification Office.

Minors

Montessori Education Minor

The Montessori Education minor has twelve (12) courses available to all Xavier undergraduates and compatible with any major. The program is designed to provide each student with academic and practicum experiences in the field of teaching young children. The student will receive an American Montessori Credential. This credential will allow the student to teach in **private** Montessori schools in the United States and other countries. Further information about this program can be obtained by calling 513 745-3424.

Master of Education

Elementary Education, M.Ed.

The Master of Education in elementary education will provide the student with a strong foundation in professional knowledge, experience in combining theory with practice, and opportunities for curriculum development and application. The student may pursue an M.Ed. and a teaching license separately or concurrently.

Go to <http://www.xavier.edu/elementary-grad/Admission.cfm> to reference admission requirements.

Requirements for the M.Ed. in Elementary Education

(30 total credit hours required)

Core courses

(12 credit hours)

- EDFD 501 - Philosophy of Education
- EDFD 503 - Advanced Educational Psychology
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper

Note(s):

- The remaining 18 hours required are selected from programs such as elementary, Montessori, multi-cultural children's literature, special education, and/or counseling. The M.Ed. candidate is free to select courses that advance teaching in the elementary school.

Programs Requirements for Licensure:

Students seeking initial licensure in early or middle childhood education concurrently with the M.Ed. will declare their Master's concentration as Elementary. Students seeking teacher licensure in early or middle childhood must contact the department for a review of their transcripts. Students are expected to have a broad base of undergraduate coursework spread over the following areas: English, history, sciences, math, speech, and the fine arts. There is a specific sequence within both programs. Course requirements for early or middle childhood licensure extend beyond the 30 hours required for a Masters Degree.

Go to <http://www.xavier.edu/elementary-grad/index.cfm> to reference more information about Licensure options.

Master of Education in Elementary Education -- Cohort Program Ohio Early Childhood License Pre-K – Grade 3

Students seeking acceptance into the graduate early childhood cohort *must first be accepted into the M.Ed program*. Application for acceptance in the Master of Education Program is made through the Graduate Services Office. Call 745-3360 or visit the Xavier website, www.xu.edu. Upon acceptance in the M.Ed. program a candidate may begin courses listed below.

To begin the admission process for the early childhood cohort program, the student must meet with an academic advisor for transcript review and discussion of the program. Call (513)745-3701 for an appointment. Please bring an official copy of transcripts from all undergraduate and graduate work to this meeting.

Upon acceptance into the Master of Education program a candidate may begin the required courses listed below. Candidates are responsible for graduate information contained in the Xavier University Catalog, such as the comprehensive exam and other graduation requirements.

Professional Foundation Courses

The following courses are taken during the academic year prior to the beginning of the Early Childhood Cohort Program.

- EDEL 500 - Classroom Culture (includes 50 hours of assigned field experience)
- EDFD 251 - Instructional Technology
- EDFD 500 - Social, Historical, Philosophical Foundations of American Education
- EDFD 510 - Advanced Human Development & Learning
- EDEL 260/ EDEL 560

Please Note:

- The licensure candidate may complete the M.Ed. Core courses: [EDFD 503](#) , *Advanced Educational Psychology* (EDFD 503 is waived as the M.Ed. Core requirement when [EDFD 510](#) , *Advanced Human Development and Learning* is completed as a foundation course), [EDFD 505](#) , *Educational Administration*; [EDFD 507](#) / [EDFD 508](#) , *Educational Research/Paper* during the initial academic year, or elect to finish at a later date. "No more than six years may elapse between enrolling in a degree program and completion of work for the degree." A comprehensive exam is the final requirement for the degree program. The M.Ed candidate may sit for the exam after 27 hours for the degree have been successfully completed.
- Students who have completed (or will complete by May) general education requirements and professional foundation courses may apply to the Early Childhood Cohort. Application is made during the spring semester. Applications, available through the Graduate Services Office, Elet 312, are reviewed by a faculty team and evaluated on the basis of the following: [EDEL 500](#) final grade, field work evaluation, grade point average, Miller Analogy or GRE scores, written and oral communication skills.

Early Childhood License Cohort Courses

Candidates must be accepted into the cohort program in order to enroll in the following courses.

*The schedule below is effective Summer Semester 2009.

First Summer Session

- EDRE 512 - Reading Methods for Early Childhood
- EDRE 569 - Phonics & Foundation of Literacy
- EDEC 558 - Play & Arts in Early Childhood

Total (9)

Second Summer Session

- EDCH 524 - Children's Literature for Early Childhood
- EDEC 555 - Early Childhood Care/Practices
- Includes field observation

Total (9)

Fall Semester

- EDEL 370 - Junior Field Experience /2 days per week
- EDEC 331 - Early Childhood Math/Science Cohort
- EDEC 335 - Language Arts/Social Studies-Early Childhood Education
- EDEC 336 - Early Childhood LA/Soc St Cohr
- EDRE 671 - Content Area Literacy

Total (16)

Spring Semester

- EDEC 454 - EC Cohort Student Teaching
- EDEC 455 - Cohort: Current Issues
- EDRE 678 - Diagnosis/Correction of Reading Disabilities

Total (10)

Note(s):

- Students complete Praxis II exams: "Education of Young Children" Praxis exam is taken during the Fall and must be passed prior to student teaching and "Principles of Learning and Teaching, P-3" in the spring.
- Application for early childhood license is made through Xavier University Certification Office upon completion of all course application requirements. Provisional license from Ohio Department of Education carries effective date of July, and is valid for two years. It may be renewed. An informative session regarding licensure application will be held during the spring semester of internship.

Ohio Licensure Generalist Endorsement Grades 4-5 Graduate Courses

This series of courses is offered for the candidate who holds the Ohio Early Childhood License/Grades P-3 and which will enable them to obtain the generalist endorsement for grades 4-5. The candidate for the endorsement must complete all 9 semester hours of coursework listed below and pass the Praxis II exam: Elementary Content Knowledge. Prerequisite: Holds an Ohio Early Childhood License/Grades P-3. For graduate students who wish to pursue a Masters in Elementary Education, the Generalist Endorsement courses can be applied towards the M.Ed. For more information on the Masters program, go to <http://www.xavier.edu/elementary-grad/Admission.cfm>.

Generalist Endorsement Grades 4-5 Courses

- EDEL 640 Middle Childhood Transitions: Development and Management (1)
- EDEL 641 Mathematics Content, Pedagogy, and Assessment Grades 4-5 (2)
- EDEL 642 Science Content, Pedagogy, and Assessment Grades 4-5 (2)
- EDEL 643 Language Arts Content, Pedagogy, and Assessment Grades 4-5 (2)
- EDEL 644 Social Studies Content, Pedagogy, and Assessment Grades 4-5 (2)

Master of Education in Elementary Education Ohio Middle Childhood License Grades 4-9

Middle childhood licensure at the graduate level is designed for the student who did not receive a teaching license as an undergraduate; has strong undergraduate course work in two of the following: mathematics, science, social studies or English; is available to take pedagogy, methods, and field placement courses with both day and evening scheduling in order to meet the extensive requirements of the middle childhood license. The middle childhood license is for teaching grades 4 through 9 in two subject areas. Students will also study reading methods and children's literature along with their two chosen areas of concentration. The student with current (within the last 10 years) course work in the concentrations may have some concentration requirements waived.

- There is no cohort program (see early childhood licensure) for middle childhood candidates. Progression through the program is unique to the individual due to the various concentration combinations, i.e. one student may choose math and science while another opts for science and social studies. The content courses may not be offered as frequently as the foundation courses, often just one semester out of the academic year. The sequence of course completion is important to the success of the candidate.

Admission

To begin the admission process for the Middle Childhood License/Master of Education program, the candidate must meet with an academic advisor for a transcript review outlining general education requirements:

- English Composition (3)
- History (6)
- Literature (6)
- Science (9)

- Oral or Interpersonal Communications (3)
- Fine Art (3)

A minimum grade of C is required in all courses, except English composition, for which a B is required. An overall undergraduate grade point average must be a 2.70 or better.

Next the student must apply for the M.Ed. in Elementary Education.

Concentrations

The Middle Childhood Licensure candidate must choose two fields of concentration from the following : (see specific courses under B.S. in Middle School Education)

- Mathematics - 21 hours
- Science - 21 hours
- Social Studies - 24 hours
- Reading/ Language Arts - 24 hours

Students should take the five professional foundation courses before enrolling in the following courses specific to middle childhood licensure. See undergraduate Middle School Education section for list of concentration courses.

Professional Education Courses

- EDEL 500 - Classroom Culture
- EDFD 501 - Philosophy of Education
- EDFD 510 - Advanced Human Development & Learning
- EDFD 251 - Instructional Technology
- EDEL 260/560 (3)

Note(s):

Concentration courses may be completed concurrent with methods/pedagogy courses listed below. Due to the complexity of the licensure requirements, middle school candidates must meet with an advisor each semester. Students should take the five professional foundation courses listed on the preceding page: [EDEL 500](#) , [EDFD 501](#) , [EDFD 510](#) , [EDFD 251](#) , and EDEL 260/560, before enrolling in the following courses specific to the Middle Childhood License.

Middle Childhood Courses

Scheduling of Middle Childhood courses are varied; courses may meet during the day, at 4:15 or 7:00PM, and often require field observation or experience. Be aware that EDMC courses are not offered every semester.

- EDMC 212 - Nature & Needs of Adolescents
- EDSP 500 - Special Education: Identification & Issues
- EDCH 526 - Children's Literature for Middle Childhood
- EDMC 325 - Arts in Education: Middle Childhood
- EDRE 569 - Phonics & Foundation of Literacy
- EDRE 514 - Reading Methods for Middle Childhood
- EDMC 340 - Middle School Philosophy & School Organization
- EDMC 345 - Introduction to EDMC Collaboration/Classroom Management

Two courses from

Students take two courses from 351, 352, 353, or 354 (total 6 hours, field experience T & R days) EDMC 351-354 are only offered during Spring semester. [EDMC 212](#) and [EDMC 340](#) prerequisites for EDMC 351-354.

- EDMC 351 - EDMC Language Arts Curriculum/Pedagogy & Assessment
- EDMC 352 - EDMC Math Curriculum/Pedagogy & Assessment

- EDMC 353 - EDMC Science Curriculum/Pedagogy & Assessment
- EDMC 354 - EDMC Social Studies Curriculum/Pedagogy & Assessment
- EDMC 455 - Student Teaching: Middle School
- EDMC 456 - Seminar: Current Issues in EDMC
- EDRE 671 - Content Area Literacy
- EDRE 678 - Diagnosis/Correction of Reading Disabilities

Note(s):

- Praxis II Exams: **You must pass two subject area concentration exams prior to student teaching.** The “Principles of Learning and Teaching: 5-9” is taken during the student teaching semester. See Praxis link at www.xavier.edu.
- Grades 4-6 Middle Childhood Endorsements are an option for persons holding a Middle School license. See Requirements for generalist endorsement under B.S. for Middle School Education.
- The following core courses fulfill Master of Education requirements but are not required to complete the middle childhood license requirements. They can be taken at anytime with in the six year limit. Students take the Comprehensive Exam related to the four core courses during the last semester of graduate course work. Application is made through the Office of Graduate Services, 312 Elet Hall.

[EDFD 503](#) *

[EDFD 505](#)

[EDFD 507](#) & [EDFD 508](#)

* [EDFD 510](#) may substitute for [EDFD 503](#) .

Montessori Education (for No Ohio State License and No Montessori Credential), M.Ed.

Master of Education Degree in Montessori Education

The Xavier University Montessori teacher education programs grant an American Montessori Credential and Ohio Pre-Kindergarten or Kindergarten to grade 3 licensure. The programs are affiliated with the American Montessori Society, and accredited by the Montessori Accreditation Council for Teacher Education.

The graduate program in Montessori education is based on a strong foundation in child development. This allows students the option of teaching in a public or private Montessori school, as well as in a traditional public or private school. The program prepares the student with an understanding of Dr. Montessori’s philosophy in light of the education of the past and present. The Montessori curriculum courses prepare the student to teach practical life, art, music, movement, sensorial, math, language, geography, science and history. Child development is emphasized in courses EDME 563, 559, 550 and is an integral part of all of the courses. Ohio teacher licensure for Pre-K and K-3, and American Montessori Early Childhood and Elementary certifications are available within the master's degree. Those holding a master's degree may obtain certification by planning a post-master's program with the director of the Montessori teacher education program.

Go to <http://www.xavier.edu/montessori-grad/admission.cfm> to reference admission requirements.

Requirements for the M.Ed. in Montessori Education (with no Ohio State License and no Montessori Credential)

30 total credit hours are required, as follows

- EDFD 503 - Advanced Educational Psychology
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper *
- EDME 551 - Montessori Education: Philosophical Approach
- EDME 563 - Early Cognitive Development
- EDME 550 - Methods of Observation of Children

The other twelve (12) hours can be taken from the following courses:

- EDME 553 - Montessori Math & Geometry Methods
- EDME 554 - Montessori Language Arts & Reading Methods
- EDME 555 - Montessori Cultural Subject Method

- EDME 559 - Full Day Child Care Methods
- EDME 564 - Early Childhood/Montessori Methods
- EDME 576 - Phonics Skills for Early Childhood
- EDME 577 - Early Childhood Math & Science

Other Requirements:

- Students must have a Montessori credential.
- Students must receive a grade of “B” or higher in all Montessori courses.
- Have three letters of recommendation mailed to the Montessori Office.
- Complete and submit the Montessori Questionnaire.
- A signed copy of the handbook signature page must be in the file during the first semester of program.
- Successfully complete a written comprehensive exam.

Note(s):

* The research paper should be completed in the area of early childhood education and an approved copy of the completed paper submitted to the director of the program for the departmental library.

Montessori Education (for Ohio Early Childhood License Pre-K and K-3 and With American Montessori Early Childhood Credential - Ages 2.5 To 6), M.Ed.

Master of Education Degree in Montessori Education

The Xavier University Montessori teacher education programs grant an American Montessori Credential and Ohio Pre-Kindergarten or Kindergarten to grade 3 licensure. The programs are affiliated with the American Montessori Society, and accredited by the Montessori Accreditation Council for Teacher Education.

The graduate program in Montessori education is based on a strong foundation in child development. This allows students the option of teaching in a public or private Montessori school, as well as in a traditional public or private school. The program prepares the student with an understanding of Dr. Montessori’s philosophy in light of the education of the past and present. The Montessori curriculum courses prepare the student to teach practical life, art, music, movement, sensorial, math, language, geography, science and history. Child development is emphasized in courses EDME 563, 559, 550 and is an integral part of all of the courses. Ohio teacher licensure for Pre-K and K-3, and American Montessori Early Childhood and Elementary certifications are available within the master’s degree. Those holding a master’s degree may obtain certification by planning a post-master’s program with the director of the Montessori teacher education program.

Go to <http://www.xavier.edu/montessori-grad/admission.cfm> to reference admission requirements.

Requirements for the M.Ed. in Montessori Education (with Ohio Early Childhood License Pre-K and K-3 and with American Montessori Early Childhood Credential - ages 2.5 to 6)

51 total credit hours required, as follows

- EDFD 505 - Educational Administration
- EDSP 505 - Foundations in Early Childhood Special Education
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper ***
- EDME 550 - Methods of Observation of Children **
- EDME 551 - Montessori Education: Philosophical Approach *
- EDME 552 - Montessori Curriculum Design & Teaching Strategies: Primary **
- EDME 566 - Montessori Curriculum Design & Teaching Strategies I: Early Childhood
- EDME 567 - Montessori Curriculum Description & Teaching Strategies II: Early Childhood
- EDME 559 - Full Day Child Care Methods
- EDME 563 - Early Cognitive Development
- EDME 564 - Early Childhood/Montessori Methods *
- EDME 576 - Phonics Skills for Early Childhood *
- EDME 577 - Early Childhood Math & Science *
- EDME 673 - Montessori Early Childhood Practicum I **
- EDME 674 - Montessori Early Childhood Practicum II **

Reading Courses:

- EDRE 512 - Reading Methods for Early Childhood
- EDRE 678 - Diagnosis/Correction of Reading Disabilities

Note(s):

- Students wishing Ohio licensure for Pre-Kindergarten and K-3 must meet general education background requirements.
 - An additional reading course must be taken during the first year of teaching.
- * Must be completed before beginning your practicum.

** Courses taken during practicum.

*** The research paper should be completed in the area of early childhood education and an approved copy of the completed paper submitted to the director of the program for the departmental library.

Montessori Education (for Ohio Early Childhood License Pre-K and K-3 and With American Montessori Elementary I Credential – Ages 6-9), M.Ed.

Master of Education Degree in Montessori Education

The Xavier University Montessori teacher education programs grant an American Montessori Credential and Ohio Pre-Kindergarten or Kindergarten to grade 3 licensure. The programs are affiliated with the American Montessori Society, and accredited by the Montessori Accreditation Council for Teacher Education.

The graduate program in Montessori education is based on a strong foundation in child development. This allows students the option of teaching in a public or private Montessori school, as well as in a traditional public or private school. The program prepares the student with an understanding of Dr. Montessori's philosophy in light of the education of the past and present. The Montessori curriculum courses prepare the student to teach practical life, art, music, movement, sensorial, math, language, geography, science and history. Child development is emphasized in courses EDME 563, 559, 550 and is an integral part of all of the courses. Ohio teacher licensure for Pre-K and K-3, and American Montessori Early Childhood and Elementary certifications are available within the master's degree. Those holding a master's degree may obtain certification by planning a post-master's program with the director of the Montessori teacher education program.

Go to <http://www.xavier.edu/montessori-grad/admission.cfm> to reference admission requirements.

Requirements for the M.Ed. in Montessori Education (with Ohio Early Childhood License Pre-K and K-3 and with American Montessori Elementary I Credential – ages 6-9)

51 total credit hours required, as follows

- EDFD 503 - Advanced Educational Psychology
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper *
- EDME 550 - Methods of Observation of Children **
- EDME 551 - Montessori Education: Philosophical Approach *
- EDME 552 - Montessori Curriculum Design & Teaching Strategies: Primary **
- EDME 553 - Montessori Math & Geometry Methods *
- EDME 554 - Montessori Language Arts & Reading Methods *
- EDME 555 - Montessori Cultural Subject Method *
- EDME 556 - Montessori Integraton of Curriculum: Primary **
- EDME 576 - Phonics Skills for Early Childhood *
- EDME 559 - Full Day Child Care Methods
- EDME 563 - Early Cognitive Development
- EDME 670 - Montessori Primary Practicum I **
- EDME 671 - Montessori Primary Practicum II **

Reading Courses:

- EDRE 512 - Reading Methods for Early Childhood
- EDRE 678 - Diagnosis/Correction of Reading Disabilities

Note(s):

- Students wishing Ohio licensure for Pre-Kindergarten and K-3 must meet general education background requirements.
- Students may add A.M.S. Elementary II by completing an intense summer program.
- * Must be completed before beginning your practicum.

** Courses taken during practicum.

*** The research paper should be completed in the area of early childhood education and an approved copy of the completed paper submitted to the director of the program for the departmental library.

Multi-Cultural Literature For Children and Young Adults, M.Ed.

The degree of Master of Education with a concentration in multi-cultural literature for children is a professional degree designed to meet the needs of licensed teaching professionals desiring to enhance their knowledge of appropriate literature for children in the classroom. The degree consists of 30 hours of coursework. The concentration coursework (18 hours) includes diverse coursework in the area of children's literature. The focus for the coursework is study in the diverse base of literature written for children reflecting but not limited to European Americans, Native Americans, African Americans, Asian Americans, Jewish Americans, Latino Americans and other world cultures, not based in the western world. The purpose of this degree is to provide information that will enable teachers to make careful, informed and sensitive choices from among the increasing numbers of books being published as Multi-cultural literature as well as incorporating this knowledge into a holistic, global classroom. Multi-cultural literature is one of the most powerful components of a Multi-cultural education curriculum, the underlying purpose of which is to help to make our society a more equitable one.

Go to <http://www.xavier.edu/multicultural-literature/admission.cfm> to reference admission requirements.

Curriculum Prerequisites

These prerequisites are required if a candidate for the degree does not have a valid teaching certificate or current teaching license.

- EDEL 314 - Teaching Reading or
- EDRE 569 - Phonics & Foundation of Literacy

Note(s):

- In addition, the graduate candidate must have (or be in the process of completing) a valid teaching certificate or license.

Requirements for the M.Ed. in Multi-cultural Literature

The following coursework is required for the Master degree in Multi-cultural Literature for Children.

MEd Core Requirements

(12 credit hours)

- EDFD 501 - Philosophy of Education or
- EDFD 502 - History of American Education
- EDFD 503 - Advanced Educational Psychology or
- EDFD 510 - Advanced Human Development & Learning
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper

Concentration Requirements

(18 credit hours) selected from the following, with [EDCH 501](#) required.

- EDCH 501 - Advanced Children's Literature
- EDCH 505 - Storytelling as a Cultural Craft
- EDCH 510 - Writing & Publishing for Children
- EDCH 515 - Adolescent Literature
- EDCH 520 - Multi-Cultural Literature for Children
- EDCH 524 - Children's Literature for Early Childhood
- EDCH 525 - Analysis of Children's Literature in Global Society
- EDCH 526 - Children's Literature for Middle Childhood
- • EDCH 528 ** (3)

Note(s):

- Students completing their studies for the M.Ed. in Multicultural Literature for Children must pass a comprehensive examination and must be able to write knowledgeably on the following areas: children's literature (in general), multicultural literature for children, storytelling as both a genre and a craft, the impact of multicultural literature on the elementary curriculum, adolescent literature as it impacts a global society, and analysis of appropriate literature for children. The M.Ed. candidate may sit for the exam after 27 hours for the degree have been successfully completed.

Reading Education, M.Ed.

The degree of Master of Education with a concentration in reading is a professional degree designed to meet the needs of licensed teaching professionals desiring to enhance their knowledge of the reading process with current theory and research as well as classroom application. This course of study is designed to prepare teacher candidates as classroom teachers to help students from preschool through high school to become effective, strategic readers who read and write enthusiastically and purposefully. It provides training for classroom teachers, media specialists, district literacy coaches, reading consultants, and reading supervisors.

Accordingly this degree is awarded to the candidate who has demonstrated a capacity for professional performance by satisfactorily completing the course of study designed to develop the following characteristics:

- The ability to articulate and translate the interrelationship of reading, writing, speaking, and listening to classroom teaching and curriculum development.
- The ability to work directly or indirectly with pupils who have either failed to benefit from regular classroom instruction in reading or those pupils who could benefit from advanced training in reading skills.
- The ability to work with teachers, administrators, and other professionals to improve and coordinate the total reading program of the school.

This program is designed to meet the specifications of the International Reading Association and State of Ohio course requirements for the Reading Endorsement. It also meets reading specialist licensure requirements in many states.

Go to <http://www.xavier.edu/reading/admission.cfm> to reference the admission requirements.

Curriculum Prerequisites

These prerequisites are required if a candidate for the degree does not have a valid teaching certificate or current teaching license.

- EDRE 312 - Reading Methods for Early Childhood
- EDRE 512 - Reading Methods for Early Childhood
- or
- EDRE 314 - Reading Methods for Middle Childhood
- EDRE 514 - Reading Methods for Middle Childhood
- EDRE 471 - Content Area Literacy
- EDRE 671 - Content Area Literacy

Note(s):

- And an undergraduate course in children's literature or adolescent literature.
- In addition, the graduate candidate must have (or be in the process of completing) a valid teaching certificate or license.

Requirements for the M.Ed. in Reading

The following coursework is required for the Master degree in Reading and meets the State of Ohio standards for the Reading Endorsement.

MEd Core Requirements

(12 credit hours)

- EDFD 501 - Philosophy of Education or
- EDFD 502 - History of American Education
- EDFD 503 - Advanced Educational Psychology or

- EDFD 510 - Advanced Human Development & Learning
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper

Concentration Requirements

(21 credit hours)

15 hours required specifically with

- EDRE 569 - Phonics & Foundation of Literacy
- EDRE 671 - Content Area Literacy
- EDRE 672 - Theories of Reading
- EDRE 678 - Diagnosis/Correction of Reading Disabilities
- EDRE 679 - Practicum in Reading

3 to 6 hours selected from the following Literature elective list

(with [EDCH 501](#) typically required, if adding Reading Endorsement)

- EDCH 501 - Advanced Children's Literature
 - EDCH 505 - Storytelling as a Cultural Craft
 - EDCH 510 - Writing & Publishing for Children
 - EDCH 515 - Adolescent Literature
 - EDCH 520 - Multi-Cultural Literature for Children
 - EDCH 525 - Analysis of Children's Literature in Global Society
- 0 to 6 more hours selected, if needed, from
- EDRE 584 - Effective Literacy Instruction
 - EDRE 672 - Theories of Reading
 - EDRE 675 - Current Research in Reading
 - EDRE 676 (3)
 - EDRE 684 - Integrated Language Arts
 - EDRE 685 - Teaching Reading to Children with Special Needs

Note(s):

• Students completing their studies for the M.Ed. in Reading must pass a comprehensive examination and must be able to write knowledgeably on the following areas of reading: literacy development, holistic learning, reading theory, reading in the content area, and diagnosis and remediation of reading. The M.Ed. candidate may sit for the exam after 27 hours for the degree have been successfully completed.

Reading Endorsement Requirements

Those completing the M.Ed. in Reading Education and hold a valid teaching license for Ohio may also want to add the reading endorsement to their teaching license. The endorsement has a 21 hr. course requirement: 15 hours of coursework in reading and 6 hours in children's literature. Master degree candidates may work on their degree and the endorsement simultaneously. After completion of the course requirements for the endorsement, the State of Ohio requires that the candidate take Praxis II, #0200, Introduction to Reading, and receive a passing score of 540 to have the endorsement added to a valid license. Information regarding testing dates, location sites, and sample questions for Praxis #0200 may be found on the Praxis website.

The following courses are currently required by the State of Ohio for the Reading Endorsement:

- EDRE 269 - Phonics & Foundation of Literacy or
- EDRE 569 - Phonics & Foundation of Literacy
- EDRE 471 - Content Area Literacy or
- EDRE 671 - Content Area Literacy
- EDRE 672 - Theories of Reading
- EDRE 478 - Diagnosis/Correction of Reading Disabilities or

- EDRE 678 - Diagnosis/Correction of Reading Disabilities
- EDRE 679 - Practicum in Reading
- EDCH 501 - Advanced Children's Literature

• or undergraduate equivalent

- EDCH 324 - Children's Literature for Early Childhood or
- EDCH 326 - Children's Literature for Middle Childhood

And, choose from

- EDCH 305 - Storytelling as a Cultural Craft or
- EDCH 505 - Storytelling as a Cultural Craft
- EDCH 510 - Writing & Publishing for Children
- • EDCH 415 (3) or
- EDCH 515 - Adolescent Literature
- EDCH 320 - Multi-Cultural Literature for Children or
- EDCH 520 - Multi-Cultural Literature for Children

• or

- EDCH 525 - Analysis of Children's Literature in Global Society
- • or any other Advanced Children's Literature course offered to complete the requirement.

School of Education: Secondary and Special Education

The Department of Secondary and Special Education offers degree and teacher licensure programs approved by the Ohio Department of Education. All programs are accredited by the Teacher Education Accreditation Council.

At the undergraduate level the department awards the Bachelor of Science degree in Special Education. In Secondary Education the department offers a minor in Professional Education that combines with an appropriate Arts and Science Major leading to a teaching field.

At the graduate level the Master of Education degree in Special Education and Master of Education in Secondary Education are awarded. Concentrations are available in these programs that include Secondary Education (with concentrations available in art, biology, business, chemistry, classics, computer science, English, French, German, Spanish, history, mathematics, music, political science, theology, and health/physical education) and Special Education (Mild/Moderate Intervention Specialist, Moderate/Intensive Intervention Specialist, Early Childhood Intervention Specialist, Gifted/Talented Intervention Specialist and endorsements in Early Education of the Handicapped, Gifted/Talented, and Transition to Work).

Teacher licensure programs are offered at the undergraduate and graduate levels leading to licensure in Integrated Language Arts, Integrated Mathematics, Integrated Social Studies, Music, Physics, Chemistry, Life Sciences, Visual Art, Modern Languages, Classical Languages, Mild/Moderate Intervention Specialist, Moderate/Intensive Intervention Specialist, Early Childhood Intervention Specialist, Gifted/Talented Intervention Specialist.

The pages that follow outline the basic requirements for licensure. Specific brochures and rules for program admission on these programs are available. Please note that courses required for licensure that are more than 10 years old may need to be repeated. Students who do not meet acceptable performance standards (including field experiences) may be excluded from specific programs.

Summary of Steps for Admission and Continual Progress in Initial Licensure Programs

Step One:

- Undergraduate student is accepted into the University based on high school grade point average and SAT or ACT scores.
- Graduate student is accepted based on undergraduate GPA and either GRE or MAT scores.
- Student declares major or concentration.

Step Two:

- Completion of Step One.
- Student completes first year at Xavier with a grade point average of 2.700 or higher.
- Required grades in following courses:
- English 101 “B” or higher.
- Mathematics (as placement dictates) “C” or higher.
- Professional Education course (in licensure area) “B” or higher.
- Following items completed and filed with Education Office:
- Notarized “Statement of Moral Character”.
- “Application for Admission” form.
- “Career Objectives” form.
- Student is notified of acceptance into chosen program.

Step Three:

- Completion of Step Two.
- Required grades for continuation through major/minor:
- Overall grade point average of 2.700.
- GPA of 2.700 (undergraduate) 3.000 (graduate) in required major/minor courses (see program handbook for detailed information).
- Candidate’s portfolio reflects key assignments from educational foundations and curriculum courses.
- Evaluation forms completed by University personnel and field work cooperating teachers indicate progress in development of knowledge, performance skills, and dispositions for teaching (see program requirements).

Step Four:

- Completion of Step Three.
- Application for internship/student teaching is approved. All professional education and concentration courses must be completed for commencement of internship/student teaching semesters.
- Prior to internship, all PRAXIS II exams must be passed and results on file in Licensure/Certification Office of Education Department (see handbooks or Xavier website for specific test titles and codes).

Step Five:

- Successful completion of internship/student teaching including required program documentation.
- Successful completion and submission of teacher program portfolio.
- Licensure application materials complete and on file in Licensure/Certification Office.

Bachelor of Science

Special Education - Concentration In Early Childhood Intervention Specialist, B.S.

Bachelor of Science Degree in Special Education

The Special Education undergraduate teacher preparation programs are theory based with continual field application experiences. Students complete the degree with a foundation in liberal arts and in child centered learning/development intervention competencies.

Requirements for the Special Education Major

Undergraduate core curriculum requirements:

64 credit hours, including

- English composition grade must be "B" or better.
- Literature area fulfilled per the major, with [EDCH 320](#) , [EDCH 324](#) or [EDCH 326](#) .

- Mathematics grades must be "C" or better.
- Science requirements must be met with physical (PHYS or CHEM) and biological (BIOL) sciences.
- Social Sciences requirements is included in the major (licensure) requirements.

Note(s):

- A 2.500 cumulative average must be attained in the core curriculum for recommendation to teacher licensure program.

Major Requirements:

38 credit hours, as follows

Specific education courses, take

- EDFD 110 - Human Development & Learning
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- EDRE 269 - Phonics & Foundation of Literacy
- EDRE 312 - Reading Methods for Early Childhood
- EDRE 471 - Content Area Literacy
- EDSP 200 - Special Education: Identification & Issues
- EDSP 201 - Introduction to Emotionally Disturbed Children
- EDSP 203 - Special Education: Communication & Collaboration
- EDSP 204 - Reading Assessment & Strategies-Language Processing Problems
- EDSP 205 - Foundations in Early Childhood Special Education
- EDSP 380 - Classroom Management
- EDSP 401 - Teaching Seminar

Note(s):

- Grade of "B" in curriculum courses.

Concentration requirements:

34-40 additional credit hours to fulfill a concentration area, as follows

and 3 hours of a literature course selected from

- EDCH 320 - Multi-Cultural Literature for Children
- EDCH 324 - Children's Literature for Early Childhood or
- EDCH 326 - Children's Literature for Middle Childhood

Moderate/Intensive Intervention Specialist

(34 hours required) – take

- EDSP 367 - Special Education: Behavior & Social Skills Management
- EDSP 370 - Moderate/Intensive Characteristics & Strategies
- EDSP 372 - Communication Strategies & Techniques
- EDSP 373 - Moderate/Intensive Assessment & Evaluation
- EDSP 374 - Curriculum Practices: Moderate Disabilities
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 389 - Program Practices: Severe/Intensive Disabilities
- EDSP 402 - Moderate/Intensive Student Teaching

and 3 hours of a literature course selected from

- EDCH 320 - Multi-Cultural Literature for Children
- EDCH 324 - Children's Literature for Early Childhood or
- EDCH 326 - Children's Literature for Middle Childhood

Early Childhood Intervention Specialist

(40 hours required) – take

- EDSP 364 - Developmentally Appropriate Instructional Materials
- EDSP 365 - Curriculum Practices: Mild Disabilities
- EDSP 372 - Communication Strategies & Techniques
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 381 - Play & Its Role in Dev & Learn
- EDSP 389 - Program Practices: Severe/Intensive Disabilities
- EDSP 391 - Early Childhood Special Education Learning Theories
- EDSP 392 - Early Childhood Special Education: Observation & Assessment
- EDSP 393 - Early Childhood Special Education: Curriculum Practices
- EDSP 403 - Early Childhood Special Education Student Teaching
- EDCH 324 - Children's Literature for Early Childhood

Note(s):

- A 2.750 cumulative average must be attained in all the education courses for recommendation for teacher licensure.

B.S. Special Education with Concentration in Early Childhood Intervention Specialist

(Four Year Guideline)

This block serves as a guideline only. **Must see your academic advisor for guidance, changes & updates.**

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- History I Elective 3
- Physical Science Elective 3
- THEO 111 - Theological Foundations
- EDFD 110 - Human Development & Learning

Total (5)15

Second Semester

- Biology Elective 3
- Fine Arts Elective 3
- History II Elective 3
- PHIL 100 - Ethics as Introduction to Philosophy

- EDSP 200 - Special Education: Identification & Issues

Total (5)15

Sophomore Year

First Semester

- MATH 201 - Foundations of Arithmetic for Early Childhood Teachers
- • Theo Scrip/Hist or Christ Sys Elective 3
- EDRE 269 - Phonics & Foundation of Literacy
- EDSP 201 - Introduction to Emotionally Disturbed Children
- EDSP 203 - Special Education: Communication & Collaboration
- EDSP 205 - Foundations in Early Childhood Special Education

Total (10)18

Second Semester

- MATH 202 - Geometry & Measurement -ECED
- • Theology Ethics or Rel/Cult Elective 3
- EDFD 251 - Instructional Technology
- EDRE 312 - Reading Methods for Early Childhood
- EDSP 391 - Early Childhood Special Education Learning Theories
- EDSP 392 - Early Childhood Special Education: Observation & Assessment

Total (11)18

Junior Year

First Semester

- EDFD 260 - Cultural Diversity in Education
- EDRE 471 - Content Area Literacy
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 381 - Play & Its Role in Dev & Learn
- EDSP 393 - Early Childhood Special Education: Curriculum Practices

Total (20)18

Second Semester

- PHIL 290 - Theory of Knowledge
- • Science Elective 3
- EDCH 324 - Children's Literature for Early Childhood
- EDSP 204 - Reading Assessment & Strategies-Language Processing Problems
- EDSP 372 - Communication Strategies & Techniques
- EDSP 389 - Program Practices: Severe/Intensive Disabilities

Total (40)15

Senior Year

First Semester

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Foreign Language Elective 3
- • Philosophy Elective 3
- EDSP 365 - Curriculum Practices: Mild Disabilities
- EDSP 380 - Classroom Management

Total (50)18

Second Semester

- • Foreign Language Elective 3
- EDSP 401 - Teaching Seminar
- EDSP 403 - Early Childhood Special Education Student Teaching

Total (16wk)15

Scheduling Notes:

- The E/RS Focus Elective is required, must receive approval for this course requirement from academic advisor.
- A minimum of 132 credit hours is typically required for the degree, with 120 hours as the absolute minimum.
- The sequence of courses in the program is subject to change and must be approved by academic advisor.
- Hours in parenthesis are field hours.
- PRAXIS TESTS: 0521, 0353, HQT 0200

Special Education - Concentration in Mild/Moderate Intervention Specialist, B.S.

Bachelor of Science Degree in Special Education

The Special Education undergraduate teacher preparation programs are theory based with continual field application experiences. Students complete the degree with a foundation in liberal arts and in child centered learning/development intervention competencies.

Requirements for the Special Education Major

Undergraduate core curriculum requirements:

64 credit hours, including

- English composition grade must be "B" or better.
- Literature area fulfilled per the major, with [EDCH 320](#) , [EDCH 324](#) or [EDCH 326](#) .
- Mathematics grades must be "C" or better.
- Science requirements must be met with physical (PHYS or CHEM) and biological (BIOL) sciences.
- Social Sciences requirements is included in the major (licensure) requirements.

Note(s):

- A 2.500 cumulative average must be attained in the core curriculum for recommendation to teacher licensure program.

Major Requirements:

38 credit hours, as follows

Specific education courses, take

- EDFD 110 - Human Development & Learning
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- EDRE 269 - Phonics & Foundation of Literacy
- EDRE 312 - Reading Methods for Early Childhood
- EDRE 471 - Content Area Literacy
- EDSP 200 - Special Education: Identification & Issues
- EDSP 201 - Introduction to Emotionally Disturbed Children
- EDSP 203 - Special Education: Communication & Collaboration
- EDSP 204 - Reading Assessment & Strategies-Language Processing Problems
- EDSP 205 - Foundations in Early Childhood Special Education
- EDSP 380 - Classroom Management
- EDSP 401 - Teaching Seminar

Note(s):

- Grade of "B" in curriculum courses.

Concentration requirements:

34-40 additional credit hours to fulfill a concentration area, as follows

and 3 hours of a literature course selected from

- EDCH 320 - Multi-Cultural Literature for Children
- EDCH 324 - Children's Literature for Early Childhood or
- EDCH 326 - Children's Literature for Middle Childhood

Moderate/Intensive Intervention Specialist

(34 hours required) – take

- EDSP 367 - Special Education: Behavior & Social Skills Management
- EDSP 370 - Moderate/Intensive Characteristics & Strategies
- EDSP 372 - Communication Strategies & Techniques
- EDSP 373 - Moderate/Intensive Assessment & Evaluation
- EDSP 374 - Curriculum Practices: Moderate Disabilities
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 389 - Program Practices: Severe/Intensive Disabilities
- EDSP 402 - Moderate/Intensive Student Teaching

and 3 hours of a literature course selected from

- EDCH 320 - Multi-Cultural Literature for Children
- EDCH 324 - Children's Literature for Early Childhood or
- EDCH 326 - Children's Literature for Middle Childhood

Early Childhood Intervention Specialist

(40 hours required) – take

- EDSP 364 - Developmentally Appropriate Instructional Materials
- EDSP 365 - Curriculum Practices: Mild Disabilities
- EDSP 372 - Communication Strategies & Techniques
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 381 - Play & Its Role in Dev & Learn
- EDSP 389 - Program Practices: Severe/Intensive Disabilities
- EDSP 391 - Early Childhood Special Education Learning Theories
- EDSP 392 - Early Childhood Special Education: Observation & Assessment
- EDSP 393 - Early Childhood Special Education: Curriculum Practices
- EDSP 403 - Early Childhood Special Education Student Teaching
- EDCH 324 - Children's Literature for Early Childhood

Note(s):

- A 2.750 cumulative average must be attained in all the education courses for recommendation for teacher licensure.

B.S. Special Education with Concentration in Mild/Moderate Intervention Specialist

(Four Year Guideline)

This block serves as a guideline only. **Must see your academic advisor for guidance, changes & updates.**

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- History I Elective (3)
- Physical Science Elective (3)

- THEO 111 - Theological Foundations
- EDSP 200 - Special Education: Identification & Issues

Total (5)15

Second Semester

- • Biology Elective (3)
- • Fine Arts Elective (3)
- • History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- EDFD 110 - Human Development & Learning

Total (5)15

Sophomore Year

First Semester

- MATH 211 - Foundation of Arithmetic for Middle Childhood Teachers
- • Theol Scrip/Hist or Christ Sys Elective (3)
- EDSP 203 - Special Education: Communication & Collaboration
- EDSP 205 - Foundations in Early Childhood Special Education
- • EDSP 269 (3)

Total (15)15

Second Semester

- MATH 211 - Foundation of Arithmetic for Middle Childhood Teachers
- • Theology Scrip/Hist or Christ Sys Elect (3)
- EDSP 203 - Special Education: Communication & Collaboration
- EDSP 205 - Foundations in Early Childhood Special Education
- • EDSP 269 (3)

Total (15)15

Junior Year

First Semester

- PHIL 290 - Theory of Knowledge
- EDCH 324 - Children's Literature for Early Childhood
- EDCH 326 - Children's Literature for Middle Childhood or
- EDCH 320 - Multi-Cultural Literature for Children
- EDRE 314 - Reading Methods for Middle Childhood
- EDSP 362 - Mild/Moderate Support Services
- EDSP 363 - Special Education: Assessment & Evaluation
- EDSP 380 - Classroom Management

Total (20)18

Second Semester

- • Foreign Language Elective 3
- • Philosophy Elective 3
- • Science Elective 3
- EDRE 471 - Content Area Literacy
- EDSP 364 - Developmentally Appropriate Instructional Materials
- EDSP 374 - Curriculum Practices: Moderate Disabilities

Total (30)18

Senior Year

First Semester

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Foreign Language Elective 3
- • Theology Ethics or Rel/Cult Elective 3
- EDSP 204 - Reading Assessment & Strategies-Language Processing Problems
- EDSP 365 - Curriculum Practices: Mild Disabilities
- EDSP 367 - Special Education: Behavior & Social Skills Management

Total (48)18

Second Semester

- EDSP 400 - Mild/Moderate Student Teaching
- EDSP 401 - Teaching Seminar

Total (16wk)12

Scheduling Notes:

- The E/RS Focus Elective is required, must receive approval for this course requirement from academic advisor.
- A minimum of 126 credit hours is typically required for the degree, with 120 hours as the absolute minimum.
- The sequence of courses in the program is subject to change and must be approved by academic advisor.
- Hours in parenthesis are field hours.
- PRAXIS TESTS: 0522, 0353, HQT 0200, 0014, 0069

Special Education - Concentration in Moderate/Intensive Intervention Specialist, B.S.

Bachelor of Science Degree in Special Education

The Special Education undergraduate teacher preparation programs are theory based with continual field application experiences. Students complete the degree with a foundation in liberal arts and in child centered learning/development intervention competencies.

Requirements for the Special Education Major

Undergraduate core curriculum requirements:

64 credit hours, including

- English composition grade must be "B" or better.
- Literature area fulfilled per the major, with [EDCH 320](#) , [EDCH 324](#) or [EDCH 326](#) .
- Mathematics grades must be "C" or better.
- Science requirements must be met with physical (PHYS or CHEM) and biological (BIOL) sciences.
- Social Sciences requirements is included in the major (licensure) requirements.

Note(s):

- A 2.500 cumulative average must be attained in the core curriculum for recommendation to teacher licensure program.

Major Requirements:

38 credit hours, as follows

Specific education courses, take

- EDFD 110 - Human Development & Learning
- EDFD 251 - Instructional Technology
- EDFD 260 - Cultural Diversity in Education
- EDRE 269 - Phonics & Foundation of Literacy
- EDRE 312 - Reading Methods for Early Childhood
- EDRE 471 - Content Area Literacy
- EDSP 200 - Special Education: Identification & Issues
- EDSP 201 - Introduction to Emotionally Disturbed Children
- EDSP 203 - Special Education: Communication & Collaboration
- EDSP 204 - Reading Assessment & Strategies-Language Processing Problems

- EDSP 205 - Foundations in Early Childhood Special Education
- EDSP 380 - Classroom Management
- EDSP 401 - Teaching Seminar

Note(s):

- Grade of "B" in curriculum courses.

Concentration requirements:

34-40 additional credit hours to fulfill a concentration area, as follows

and 3 hours of a literature course selected from

- EDCH 320 - Multi-Cultural Literature for Children
- EDCH 324 - Children's Literature for Early Childhood or
- EDCH 326 - Children's Literature for Middle Childhood

Moderate/Intensive Intervention Specialist

(34 hours required) – take

- EDSP 367 - Special Education: Behavior & Social Skills Management
- EDSP 370 - Moderate/Intensive Characteristics & Strategies
- EDSP 372 - Communication Strategies & Techniques
- EDSP 373 - Moderate/Intensive Assessment & Evaluation
- EDSP 374 - Curriculum Practices: Moderate Disabilities
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 389 - Program Practices: Severe/Intensive Disabilities
- EDSP 402 - Moderate/Intensive Student Teaching

and 3 hours of a literature course selected from

- EDCH 320 - Multi-Cultural Literature for Children
- EDCH 324 - Children's Literature for Early Childhood or
- EDCH 326 - Children's Literature for Middle Childhood

Early Childhood Intervention Specialist

(40 hours required) – take

- EDSP 364 - Developmentally Appropriate Instructional Materials
- EDSP 365 - Curriculum Practices: Mild Disabilities
- EDSP 372 - Communication Strategies & Techniques
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 381 - Play & Its Role in Dev & Learn
- EDSP 389 - Program Practices: Severe/Intensive Disabilities
- EDSP 391 - Early Childhood Special Education Learning Theories
- EDSP 392 - Early Childhood Special Education: Observation & Assessment
- EDSP 393 - Early Childhood Special Education: Curriculum Practices
- EDSP 403 - Early Childhood Special Education Student Teaching
- EDCH 324 - Children's Literature for Early Childhood

Note(s):

- A 2.750 cumulative average must be attained in all the education courses for recommendation for teacher licensure.

B.S. Special Education with Concentration in Moderate/Intensive Intervention Specialist

(Four Year Guideline)

This block serves as a guideline only. **Must see your academic advisor for guidance, changes & updates.**

Freshman Year

First Semester

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • History I Elective 3
- • Physical Science Elective 3
- THEO 111 - Theological Foundations
- EDFD 110 - Human Development & Learning

Total (5)15

Second Semester

- • Biology Elective 3
- • Fine Arts Elective 3
- • History II Elective 3
- PHIL 100 - Ethics as Introduction to Philosophy
- EDSP 200 - Special Education: Identification & Issues

Total (5)15

Sophomore Year

First Semester

- MATH 211 - Foundation of Arithmetic for Middle Childhood Teachers
- EDRE 269 - Phonics & Foundation of Literacy
- EDSP 203 - Special Education: Communication & Collaboration
- EDSP 205 - Foundations in Early Childhood Special Education
- EDSP 370 - Moderate/Intensive Characteristics & Strategies

Total (21)18

Second Semester

- • THEO Scrip/Hist or Christ Sys Elective 3
- MATH 212 - Geom & Measurement MCED
- EDSP 201 - Introduction to Emotionally Disturbed Children
- EDFD 251 - Instructional Technology
- EDSP 373 - Moderate/Intensive Assessment & Evaluation

Total 15

Junior Year

First Semester

- PHIL 290 - Theory of Knowledge
- • Science Elective 3
- EDCH 324 - Children's Literature for Early Childhood
- EDCH 326 - Children's Literature for Middle Childhood or
- EDCH 320 - Multi-Cultural Literature for Children
- EDRE 312 - Reading Methods for Early Childhood
- EDSP 376 - Moderate/Intensive Support Services
- EDSP 380 - Classroom Management

Total (20)18

Second Semester

- • Foreign Language Elective 3
- • Philosophy Elective 3
- EDFD 260 - Cultural Diversity in Education
- EDRE 471 - Content Area Literacy
- EDSP 372 - Communication Strategies & Techniques
- EDSP 389 - Program Practices: Severe/Intensive Disabilities

Total (30)18

Senior Year

First Semester

- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Foreign Language Elective 3
- • Theology Ethics or Rel/Cult Elective 3
- EDSP 204 - Reading Assessment & Strategies-Language Processing Problems
- EDSP 367 - Special Education: Behavior & Social Skills Management
- EDSP 374 - Curriculum Practices: Moderate Disabilities

Total (48)18

Second Semester

- EDSP 402 - Moderate/Intensive Student Teaching
- EDSP 401 - Teaching Seminar

Total (16wk)12

Scheduling Notes:

- The E/RS Focus Elective is required, must receive approval for this course requirement from academic advisor.
- A minimum of 126 credit hours is typically required for the degree, with 120 hours as the absolute minimum.
- The sequence of courses in the program is subject to change and must be approved by academic advisor.
- Hours in parenthesis are field hours.
- PRAXIS TESTS: 0522, 0353, HQT 0200, 0014

Teaching Life Sciences and Chemistry, B.S.

Requirements for the Teaching Life Sciences and Chemistry Major

Undergraduate core curriculum requirements*:

64 credit hours, including

Mathematics:

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Social science requirement completed within the professional courses.

Sciences requirement included within the major.

Major Requirements:

31 hours of education courses:

- EDMS 131 - Professional Education
- EDMS 332 - Methods/Curriculum/Assessment in Sciences
- EDMS 350 - Technology & Topics for Education
- • EDMS 441 (3)
- EDMS 470 - Student Teaching: Secondary
- EDRE 471 - Content Area Literacy
- EDFD 110 - Human Development & Learning
- EDSP 200 - Special Education: Identification & Issues
- EDSP 380 - Classroom Management

24 hours of chemistry courses:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 440 - Biochemistry

and five semester hours from:

- CHEM 220 - Principles of Physical Chemistry
- CHEM 221 - Analytical Chemistry
- CHEM 300 - Introduction To Chemical Research
- CHEM 340 - Instrumental Analysis
- CHEM 341 - Instrumental Analysis Lab
- CHEM 411 - Organic Synthesis & Analysis

24 hours of biology courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- BIOL 210 - General Botany

- BIOL 211 - General Botany Lab
- BIOL 230 - Genetics
- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab

and four semester hours from:

- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab

10 hours of physics courses:

- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II

Note(s):

- A 2.700 cumulative average must be attained; a 2.500 GPA must also be attained in education courses and in each area of licensure.
- This program meets the State of Ohio licensure requirements for Grades 7-12.
- * The [Undergraduate Core Curriculum](#) must be fulfilled to meet State of Ohio regulations in general education for teacher licensure.

B.S. Teaching Life Sciences & Chemistry

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- MATH 170 - Calculus I
- PHIL 100 - Ethics as Introduction to Philosophy
- EDMS 100 - Field Experience

Total (19)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- MATH 171 - Calculus II
- THEO 111 - Theological Foundations
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

Total (18)

Sophomore Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- • Literature Elective (3)
- EDFD 110 - Human Development & Learning
- • History I Elective (3)
- • Cultural Diversity Elective (1)

Total (18)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 162 - College Physics II
- PHYS 163 - Introductory Physics Lab II
- • History II Elective (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)
- EDSP 200 - Special Education: Identification & Issues

Total (17)

Junior Year

First Semester

- EDRE 471 - Content Area Literacy
- CHEM 440 - Biochemistry
- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab
- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
- EDMS 332 - Methods/Curriculum/Assessment in Sciences
- • Biology Elective (4)

Total (20)

Second Semester

- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab
- EDMS 350 - Technology & Topics for Education
- • Fine Arts Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- PHIL 290 - Theory of Knowledge
- • Foreign Language Elective (3)

Total (19)

Senior Year

First Semester

- • Chemistry Elective (300 level) (5)
- • Philosophy Elective (3)
- BIOL 230 - Genetics
- • E/RS Focus Elective (3)
- • Foreign Language Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- EDMS 411 - Clinical Experiences: Secondary

Total (21)

Second Semester

- EDMS 470 - Student Teaching: Secondary
- EDSP 380 - Classroom Management

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective is required, but one of the other core requirements may be selected to fulfill the requirement.
- Required: 2.500 overall GPA; 2.700 GPA in education courses; 2.700 GPA in sciences.
- This program meets the State of Ohio licensure requirements for Grades 7 through 12.

Teaching Life Sciences and Physics, B.S.

Requirements for the Teaching Life Sciences and Physics Major

Undergraduate core curriculum requirements*:

64 credit hours, including

Mathematics:

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Social sciences requirement completed within the professional courses.

Science requirement included within the major.

Major Requirements:

31 hours of education courses:

- EDMS 131 - Professional Education
- EDMS 332 - Methods/Curriculum/Assessment in Sciences
- EDMS 350 - Technology & Topics for Education
- EDMS 411 - Clinical Experiences: Secondary
- EDMS 470 - Student Teaching: Secondary
- EDRE 471 - Content Area Literacy
- EDFD 110 - Human Development & Learning

- EDSP 200 - Special Education: Identification & Issues
- EDSP 380 - Classroom Management

24 hours of biology courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
- BIOL 230 - Genetics
- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab

and four hours of biology electives:

- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab

• or

- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab

7 hours of chemistry courses:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II

27 hours of physics courses:

- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab
- PHYS 161 - Introductory Physics Lab I
- PHYS 163 - Introductory Physics Lab II
- PHYS 170 - University Physics I
- PHYS 172 - University Physics II
- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- PHYS 350 - Theoretical Mechanics I
- • and six hours of physics electives (selected).

Note(s):

- A 2.700 overall cumulative average must be attained; a 2.500 GPA must also be attained in education courses and in each area of licensure.
- The program meets the State of Ohio licensure requirements for Grades 7-12.

- * The university core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher licensure.

B.S. Teaching Life Sciences & Physics

Freshman Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- EDMS 131 - Professional Education
- Foreign Language Elective (3)
- History I Elective (3)

Total (18)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- Cultural Diversity Elective (1)
- Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- THEO 111 - Theological Foundations

Total (17)

Sophomore Year

First Semester

- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
- PHYS 170 - University Physics I
- PHYS 161 - Introductory Physics Lab I
- MATH 170 - Calculus I
- ENGL 101 - English Composition or

- ENGL 115 - Rhetoric
- EDFD 110 - Human Development & Learning

Total (18)

Second Semester

- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab
- PHYS 172 - University Physics II
- PHYS 163 - Introductory Physics Lab II
- MATH 171 - Calculus II
- EDSP 200 - Special Education: Identification & Issues

Total (17)

Junior Year

First Semester

- • Fine Arts Elective (3)
- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- EDMS 332 - Methods/Curriculum/Assessment in Sciences
- PHYS 350 - Theoretical Mechanics I
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- • BIOL Electives (4)

Total (20)

Second Semester

- BIOL 230 - Genetics
- • History II Elective (3)
- PHIL 290 - Theory of Knowledge
- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab
- • Theo Scrip/Hist or Christ Sys Elective (3)
- EDMS 350 - Technology & Topics for Education
- • Literature Elective (3)

Total (21)

Senior Year

First Semester

- EDRE 471 - Content Area Literacy
- • Philosophy Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Physics Electives (6)
- • Theology Ethics or Rel/Cult Elective (3)
- EDMS 411 - Clinical Experiences: Secondary

Total (19)

Second Semester

- EDMS 470 - Student Teaching: Secondary
- EDSP 380 - Classroom Management

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective is required, but one of the other core requirements may be selected to fulfill the requirement.
- Required: 2.500 overall GPA; 2.700 GPA in education courses; 2.700 GPA in sciences.
- This program meets the State of Ohio licensure requirements for Grades 7 through 12.

Teaching Life Sciences, B.S.

Requirements for the Teaching Life Sciences Major

Undergraduate core curriculum requirements* :

64 credit hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- MATH 156 - General Statistics

Social sciences requirement completed within the professional courses.

Science requirement included within the major.

Major Requirements:

31 hours of education courses:

- EDMS 131 - Professional Education
- EDMS 332 - Methods/Curriculum/Assessment in Sciences
- EDMS 350 - Technology & Topics for Education
- EDMS 411 - Clinical Experiences: Secondary
- EDMS 470 - Student Teaching: Secondary
- EDRE 471 - Content Area Literacy
- EDFD 110 - Human Development & Learning
- EDSP 200 - Special Education: Identification & Issues
- EDSP 380 - Classroom Management

32 hours of biology courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
- BIOL 230 - Genetics
- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab
- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab

and four hours of biology electives:

- BIOL 222 - Immunology
- BIOL 240 - Evolution
- BIOL 244 - Animal Behavior
- • BIOL 350 (3)
- • BIOL 351 (3)
- • BIOL 352 (3)
- • BIOL 353 (3)

- BIOL 360 - Cell Biology

8 hours of chemistry courses:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab

7 hours of physics courses:

- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I

Note(s):

- A 2.500 overall cumulative average must be attained; a 2.700 GPA must also be attained in education courses and in each area of certification.
- The program meets the State of Ohio licensure requirements for Grades 7-12.
- * The University core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher licensure.

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

B.S. Teaching Life Sciences

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Foreign Language Elective (3)
- EDMS 131 - Professional Education

Total (18)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- • Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- THEO 111 - Theological Foundations

Total (17)

Sophomore Year

First Semester

- BIOL 210 - General Botany
- BIOL 211 - General Botany Lab
- PHYS 160 - College Physics I
- PHYS 161 - Introductory Physics Lab I
- MATH 150 - Elements of Calculus I
- EDFD 110 - Human Development & Learning
- • Cultural Diversity Elective (1)
- • Literature Elective (3)

Total (17)

Second Semester

- BIOL 250 - Ecology
- BIOL 251 - Ecology Lab
- PHIL 290 - Theory of Knowledge
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- MATH 156 - General Statistics
- EDSP 200 - Special Education: Identification & Issues

Total (16)

Junior Year

First Semester

- • Biology Program Elective ** (4)
- BIOL 410 - Vertebrate Physiology
- BIOL 411 - Vertebrate Physiology Lab
- EDMS 332 - Methods/Curriculum/Assessment in Sciences
- • History I Elective (3)
- EDRE 471 - Content Area Literacy

Total (17)

Second Semester

- EDMS 350 - Technology & Topics for Education
- BIOL 230 - Genetics
- • History II Elective (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)
- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab
- • Fine Arts Elective (3)

Total (12)

Senior Year

First Semester

- • Theology Ethics or Rel/Cult Elective (3)
- • Philosophy Elective (3)
- • E/RS Focus Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- BIOL 450 - Bacteriology
- BIOL 451 - Bacteriology Lab
- EDMS 411 - Clinical Experiences: Secondary

Total (17)

Second Semester

- EDMS 470 - Student Teaching: Secondary
- EDSP 380 - Classroom Management

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- E/RS Focus Elective requirement may be used to satisfy another element of the core or the major.
- Required: 2.500 overall GPA; 2.700 GPA in education courses; 2.500 GPA in sciences.
- This program meets the State of Ohio licensure requirements for grades 7 through 12.
- ** 4 hours from [BIOL 360](#) , [BIOL 222](#) , [BIOL 240](#) , [BIOL 244](#) , BIOL 350, 351, 352, 353.

Teaching Physical Sciences (Chemistry and Physics), B.S.

Requirements for the Teaching Physical Sciences Major

Undergraduate core curriculum requirements* :

64 credit hours, including

Mathematics:

- MATH 170 - Calculus I
- MATH 171 - Calculus II

Social sciences requirement completed within the professional courses.

Science requirement included within the major.

Major Requirements:

31 hours of education courses:

- EDMS 131 - Professional Education
- EDMS 332 - Methods/Curriculum/Assessment in Sciences
- EDMS 350 - Technology & Topics for Education
- EDMS 411 - Clinical Experiences: Secondary
- EDMS 470 - Student Teaching: Secondary
- EDRE 471 - Content Area Literacy
- EDFD 110 - Human Development & Learning
- EDSP 200 - Special Education: Identification & Issues
- EDSP 380 - Classroom Management

24 hours of chemistry courses:

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- CHEM 320 - Physical Chemistry I
- • and five elective chemistry hours (see advisor).

9 hours of biology courses:

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab

24 hours of physics courses:

- PHYS 161 - Introductory Physics Lab I
- PHYS 163 - Introductory Physics Lab II
- PHYS 170 - University Physics I
- PHYS 172 - University Physics II
- PHYS 242 - Electronics I
- PHYS 244 - Electronics II
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- PHYS 350 - Theoretical Mechanics I
- • and six selected physics electives (see advisor).

In addition, the following are required:

- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab

Note(s):

- A 2.500 overall cumulative average must be attained; a 2.700 GPA must also be attained in education courses and in each area of licensure.
- The program meets the State of Ohio licensure requirements for Grades 7-12.
- * The University core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher licensure.

B.S. Teaching Physical Sciences

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- CHEM 160 - General Chemistry I
- CHEM 161 - General Chemistry I Lab
- PHYS 170 - University Physics I
- PHYS 161 - Introductory Physics Lab I
- EDMS 131 - Professional Education
- • Foreign Language Elective (3)
- MATH 170 - Calculus I

Total (18)

Second Semester

- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry II Lab
- PHYS 172 - University Physics II
- PHYS 163 - Introductory Physics Lab II
- • Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- MATH 171 - Calculus II

Total (18)

Sophomore Year

First Semester

- CHEM 240 - Organic Chemistry I
- CHEM 241 - Organic Chemistry I Lab
- PHYS 242 - Electronics I
- PHYS 243 - Electronics I Lab
- THEO 111 - Theological Foundations
- CHEM 320 - Physical Chemistry I
- • Chemistry Elective (1-3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Cultural Diversity Elective (1)

Total (18-20)

Second Semester

- CHEM 242 - Organic Chemistry II
- CHEM 243 - Organic Chemistry II Lab
- PHYS 116 - Our Universe: The Earth
- PHYS 117 - Our Universe: The Earth Lab
- EDFD 110 - Human Development & Learning
- • Literature Elective (3)
- • Chemistry Elective (1-3)
- • Fine Arts Elective (3)

Total (17-19)

Junior Year

First Semester

- BIOL 160 - General Biology I
- BIOL 161 - General Biology I Lab
- PHYS 330 - Modern Physics I
- PHYS 331 - Modern Physics Lab I
- PHYS 350 - Theoretical Mechanics I
- • EDRE 371 (3)
- • History I Elective (3)
- EDMS 332 - Methods/Curriculum/Assessment in Sciences

Total (21)

Second Semester

- BIOL 162 - General Biology II
- BIOL 163 - General Biology II Lab
- EDMS 350 - Technology & Topics for Education
- EDSP 200 - Special Education: Identification & Issues
- PHIL 290 - Theory of Knowledge
- • History II Elective (3)
- • Physics Elective (6)

Total (20)

Senior Year

First Semester

- EDMS 411 - Clinical Experiences: Secondary
- • Philosophy Elective (3)
- • E/RS Focus Elective (3)
- • Theology Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- • Chemistry Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)

Total (16)

Second Semester

- EDMS 470 - Student Teaching: Secondary
- EDSP 380 - Classroom Management

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog.
- The E/RS Focus Elective is required, but one of the other core requirements may be selected to fulfill the requirement.
- Required: 2.500 overall GPA; 2.700 GPA in education courses; 2.700 GPA in sciences.
- This program meets the State of Ohio licensure requirements for Grades 7 through 12.

Minors

Professional Education Minor

In adolescent to young adult or secondary (grades 7-12) and pre-K-12 multi-age programs, students have a major in their area reaching field and complete licensure requirements in professional education courses.

A Professional Education minor is normally declared by an undergraduate who intends to achieve state licensure to teach at the pre-K - 12 or 7 - 12 grade levels. The student must meet with a secondary education advisor for licensure requirements. The student retains his/her major area advisor for guidance in the major, University core and for all other purposes.

This minor requires the completion of 31 to 36 semester hours of education course work, including internship/student teaching, and a minimum GPA of 2.700 must be achieved. State licensure also requires the completion of prescribed courses in the teaching subject area. In order to complete the licensure sequence at the end of his/her bachelor's program, the undergraduate should begin the licensure sequence no later than the first semester of the sophomore year. Contact the School of Education for further information.

All areas of concentration must take these foundation courses:

16 hours required from:

- EDFD 110 - Human Development & Learning
- EDMS 131 - Professional Education
- EDMS 411 - Clinical Experiences: Secondary
- EDRE 471 - Content Area Literacy
- EDSP 200 - Special Education: Identification & Issues
- EDSP 380 - Classroom Management

Concentration areas:

15-20 hours required (complete 1 of the following 5 options)

1. Secondary Ed (7-12):

15 hours required, take one course from:

- EDMS 325 - Methods/Curriculum/Assessment in Foreign Language
 - EDMS 330 - Methods/Curriculum/Assessment in Mathematics
 - EDMS 331 - Methods/Curriculum/Assessment in English Language
 - EDMS 332 - Methods/Curriculum/Assessment in Sciences
 - EDMS 333 - Methods/Curriculum/Assessment in Social Studies
 - EDMS 335 - Methods/Curriculum/Assessment in Ancient Language
- and take
- EDMS 350 - Technology & Topics for Education
 - EDMS 470 - Student Teaching: Secondary

2. Physical Education (pre-K - 12):

19 hours required, take:

- EDPE 342 - Methods in Secondary Physical Education
- EDPE 385 - Physical Education in the Elementary School
- EDPE 460 - Curriculum in Physical Education
- EDMS 350 - Technology & Topics for Education
- EDMS 471 - Student Teaching: Multi-Age

3. Languages (pre-K - 12):

15 hours required, take:

- EDMS 325 - Methods/Curriculum/Assessment in Foreign Language or
- EDMS 335 - Methods/Curriculum/Assessment in Ancient Language
- EDMS 350 - Technology & Topics for Education
- EDMS 471 - Student Teaching: Multi-Age

4. Music (pre-K - 12):

18-20 hours required, take:

- MUSC 221 - Music Methods for Early & Middle Childhood
- MUSC 320 - Methods for Adolescents & Young Adults I
- MUSC 321 - Methods for Adolescents & Young Adults II
- EDMS 350 - Technology & Topics for Education
- EDMS 471 - Student Teaching: Multi-Age

5. Visual Art (pre-K - 12):

18 hours required, take:

- ARTS 221 - Early & Middle Childhood Art
- ARTS 223 - Secondary School Art
- EDMS 350 - Technology & Topics for Education
- EDMS 471 - Student Teaching: Multi-Age

Note(s):

- **Caution:** Please consult with the Director of Secondary Education for exact program details and specific State of Ohio teaching licensure requirements.

Master of Education

Secondary Education, M.Ed.

Xavier University's secondary/K-12 teacher education program provides a strong foundation in liberal arts education and emphasizes the importance of individual, educational growth, and professional development. A student is prepared to become competent, professional secondary/K-12 educators through thorough classroom instruction and in-depth experience with practicing secondary/K-12 teachers.

A student may pursue a Master of Education degree alone, or a Master of Education degree with licensure or only licensure alone.

The M.Ed. program is intended for those who wish to obtain an advanced degree with general emphasis in course work connected to secondary education. Although a degree program can be arranged to support teacher licensure, this degree does not provide all the preparation needed to achieve teacher licensure. Please contact the Department of Secondary and Special Education for guidance.

Requirements for the M.Ed. in Secondary Education

30 total credit hours, as follows

MEd Core Requirements (12 credit hours)

- EDMS 500 - History & Philosophy of Education in the U.S. or
- EDFD 501 - Philosophy of Education or
- EDFD 502 - History of American Education
- EDFD 503 - Advanced Educational Psychology or
- EDFD 510 - Advanced Human Development & Learning
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper

Remaining 18 hours

consist of 12 hours taken from graduate level professional education or subject content courses (e.g. art, biology, business, chemistry, classics, computer science, English, French, German, Spanish, history, math, music, political science or theology). The remaining 6 semester hours may be taken from any graduate level course, as elective courses. The M.Ed. candidate is free to select courses that advance teaching in the secondary school.

Comprehensive Exam Requirement

Finally, a student's Master Of Education degree will be awarded only to candidates who have passed an extensive written examination covering the four general survey courses. Should the student fail the comprehensive exam, it may be repeated only once.

Course Sequence for Graduate Student Licensure

- EDMS 500 - History & Philosophy of Education in the U.S.
- EDFD 503 - Advanced Educational Psychology
- EDSP 500 - Special Education: Identification & Issues
- EDRE 671 - Content Area Literacy
- EDMS 550 - Technology & Topics for Teachers
- • Methods / Curriculum for content area (3-6)
- EDSP 580 - Classroom Management
- EDMS 100 - Field Experience *
- EDMS 411 - Clinical Experiences: Secondary *
- EDMS 470 - Student Teaching: Secondary *

Note(s):

- *Taken for undergraduate credit only.
- Student must complete all coursework, field/clinical hours and pass all Praxis tests to apply for license.
- Student must complete 12 hours MasterCore requirements; 18 hours from Special Education coursework and pass Comprehensive exam for completion of degree.

Special Education - Early Childhood Intervention Specialist, M.Ed.

Master of Education Degree in Special Education

The Special Education graduate teacher preparation programs are theory based with continual field application experiences. Students complete the degree or licensure program with competencies in student centered learning/development interventions. Students must possess a bachelor's degree and must meet the Department of Education requirements for admission. Student must consult with the Director of Special Education for program advising.

Graduate Level Licensure Areas for Special Education

Intervention Specialist License: Mild/Moderate, Moderate/Intensive, Early Childhood, Gifted/Talented

Endorsements: Early Education of the Handicapped, Gifted Talented, Transition to Work.

Requirements for the M.Ed. in Special Education

The following coursework is required for the Master degree in Special Education and meets the State of Ohio standards for licensure for Intervention Specialist.

MEd Core Requirements

(12 credit hours)

- EDMS 500 - History & Philosophy of Education in the U.S.
- EDFD 501 - Philosophy of Education
- EDFD 502 - History of American Education or

- EDFD 503 - Advanced Educational Psychology or
- EDFD 510 - Advanced Human Development & Learning
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper *

Licensure Reading requirements

(18 credit hours) for all areas are:

Reading Core

- EDRE 569 - Phonics & Foundation of Literacy
- EDRE 671 - Content Area Literacy
- EDRE 512 - Reading Methods for Early Childhood or
- EDRE 514 - Reading Methods for Middle Childhood
- EDSP 504 - Reading Assessment & Strategies-Language Processing Problems

Prerequisite Courses for Mild/Moderate, Moderate/Intensive, Early Childhood Intervention Specialists, and Gifted & Talented*

- EDFD 251 - Instructional Technology
- EDSP 505 - Foundations in Early Childhood Special Education
- EDSP 500 - Special Education: Identification & Issues *
- EDSP 503 - Special Education: Communication & Collaboration *

Note(s):

*Should be completed during the first 18 hours of the program.

Early Childhood Intervention Specialist

Concentration Requirements

(26 credit hours)

- EDSP 565 - Curriculum Practices: Mild Disabilities
- EDSP 567 - Special Education: Behavior & Social Skills Management
- EDSP 576 - Moderate/Intensive Support Services
- EDSP 589 - Program Practices: Severe/Intensive Disabilities
- EDSP 591 - Early Childhood Special Education Learning Theories
- EDSP 592 - Early Childhood Special Education: Observation & Assessment
- EDSP 593 - Early Childhood Special Education: Curriculum Practices
- EDSP 606 - Early Childhood Special Education Teaching Practicum
- EDSP 601 - Teaching Seminar

Comprehensive Exam Requirement

Finally, a student's Master Of Education degree will be awarded only to candidates who have passed an extensive written examination covering the four general survey courses. Should the student fail the comprehensive exam, it may be repeated only once.

Note(s):

- The University is not obliged to recommend licensure of any type on the basis of the completion of a Master of Education degree or specific course work in education. Students must also meet leadership, communication, and character requirements and pass the required PRAXIS tests of the State Department of Education for each specific license.

Special Education - Gifted/Talented Specialist, M.Ed.

Master of Education Degree in Special Education

The Special Education graduate teacher preparation programs are theory based with continual field application experiences. Students complete the degree or licensure program with competencies in student centered learning/development interventions. Students must possess a bachelor's degree and must meet the Department of Education requirements for admission. Student must consult with the Director of Special Education for program advising.

Graduate Level Licensure Areas for Special Education

Intervention Specialist License: Mild/Moderate, Moderate/Intensive, Early Childhood, Gifted/Talented

Endorsements: Early Education of the Handicapped, Gifted Talented, Transition to Work.

Requirements for the M.Ed. in Special Education

The following coursework is required for the Master degree in Special Education and meets the State of Ohio standards for licensure for Intervention Specialist.

MEd Core Requirements

(12 credit hours)

- EDMS 500 - History & Philosophy of Education in the U.S.
- EDFD 501 - Philosophy of Education
- EDFD 502 - History of American Education or
- EDFD 503 - Advanced Educational Psychology or
- EDFD 510 - Advanced Human Development & Learning
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper *

Licensure Reading requirements

(18 credit hours) for all areas are:

Reading Core

- EDRE 569 - Phonics & Foundation of Literacy
- EDRE 671 - Content Area Literacy
- EDRE 512 - Reading Methods for Early Childhood or
- EDRE 514 - Reading Methods for Middle Childhood
- EDSP 504 - Reading Assessment & Strategies-Language Processing Problems

Prerequisite Courses for Mild/Moderate, Moderate/Intensive, Early Childhood Intervention Specialists, and Gifted & Talented*

- EDFD 251 - Instructional Technology
- EDSP 505 - Foundations in Early Childhood Special Education
- EDSP 500 - Special Education: Identification & Issues *
- EDSP 503 - Special Education: Communication & Collaboration *

Note(s):

*Should be completed during the first 18 hours of the program.

Gifted/Talented Specialist

Concentration Requirements

(26 credit hours)

- EDSP 563 - Special Education: Assessment & Evaluation
- EDSP 567 - Special Education: Behavior & Social Skills Management
- EDSP 582 - Gifted/Talented Characteristics & Strategies
- EDSP 583 - Resource Materials & Techniques: Gifted/Talented
- EDSP 584 - Gifted/Talented Assessment & Instruction
- EDSP 585 - Gift/Talented Program Design & Practices I
- EDSP 586 - Gifted/Talented Program Design & Practice II
- EDSP 606 - Early Childhood Special Education Teaching Practicum
- EDSP 601 - Teaching Seminar

Comprehensive Exam Requirement

Finally, a student's Master Of Education degree will be awarded only to candidates who have passed an extensive written examination covering the four general survey courses. Should the student fail the comprehensive exam, it may be repeated only once.

Note(s):

- The University is not obliged to recommend licensure of any type on the basis of the completion of a Master of Education degree or specific course work in education. Students must also meet leadership, communication, and character requirements and pass the required PRAXIS tests of the State Department of Education for each specific license.

Special Education - Mild/Moderate Intervention Specialist, M.Ed.

Master of Education Degree in Special Education

The Special Education graduate teacher preparation programs are theory based with continual field application experiences. Students complete the degree or licensure program with competencies in student centered learning/development interventions. Students must possess a bachelor's degree and must meet the Department of Education requirements for admission. Student must consult with the Director of Special Education for program advising.

Graduate Level Licensure Areas for Special Education

Intervention Specialist License: Mild/Moderate, Moderate/Intensive, Early Childhood, Gifted/Talented

Endorsements: Early Education of the Handicapped, Gifted Talented, Transition to Work.

Requirements for the M.Ed. in Special Education

The following coursework is required for the Master degree in Special Education and meets the State of Ohio standards for licensure for Intervention Specialist.

MEd Core Requirements

(12 credit hours)

- EDMS 500 - History & Philosophy of Education in the U.S.

- EDFD 501 - Philosophy of Education
- EDFD 502 - History of American Education or
- EDFD 503 - Advanced Educational Psychology or
- EDFD 510 - Advanced Human Development & Learning
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper *

Licensure Reading requirements

(18 credit hours) for all areas are:

Reading Core

- EDRE 569 - Phonics & Foundation of Literacy
- EDRE 671 - Content Area Literacy
- EDRE 512 - Reading Methods for Early Childhood or
- EDRE 514 - Reading Methods for Middle Childhood
- EDSP 504 - Reading Assessment & Strategies-Language Processing Problems

Prerequisite Courses for Mild/Moderate, Moderate/Intensive, Early Childhood Intervention Specialists, and Gifted & Talented*

- EDFD 251 - Instructional Technology
- EDSP 505 - Foundations in Early Childhood Special Education
- EDSP 500 - Special Education: Identification & Issues *
- EDSP 503 - Special Education: Communication & Collaboration *

Note(s):

*Should be completed during the first 18 hours of the program.

Mild/Moderate Intervention Specialist

Concentration Requirements

(26 credit hours)

- EDSP 560 - Mild/Moderate Characteristics & Strategies
- EDSP 562 - Mild/Moderate Support Services
- EDSP 563 - Special Education: Assessment & Evaluation
- EDSP 564 - Developmentally Appropriate Instructional Materials
- EDSP 565 - Curriculum Practices: Mild Disabilities
- EDSP 567 - Special Education: Behavior & Social Skills Management
- EDSP 574 - Curriculum Practices: Moderate Disabilities
- EDSP 603 - Mild/Moderate Teaching Practicum
- EDSP 601 - Teaching Seminar

Comprehensive Exam Requirement

Finally, a student's Master Of Education degree will be awarded only to candidates who have passed an extensive written examination covering the four general survey courses. Should the student fail the comprehensive exam, it may be repeated only once.

Note(s):

- The University is not obliged to recommend licensure of any type on the basis of the completion of a Master of Education degree or specific course work in education. Students must also meet leadership, communication, and character requirements and pass the required PRAXIS tests of the State Department of Education for each specific license.

Special Education - Moderate/Intensive Intervention Specialist, M.Ed.

Master of Education Degree in Special Education

The Special Education graduate teacher preparation programs are theory based with continual field application experiences. Students complete the degree or licensure program with competencies in student centered learning/development interventions. Students must possess a bachelor's degree and must meet the Department of Education requirements for admission. Student must consult with the Director of Special Education for program advising.

Graduate Level Licensure Areas for Special Education

Intervention Specialist License: Mild/Moderate, Moderate/Intensive, Early Childhood, Gifted/Talented

Endorsements: Early Education of the Handicapped, Gifted Talented, Transition to Work.

Requirements for the M.Ed. in Special Education

The following coursework is required for the Master degree in Special Education and meets the State of Ohio standards for licensure for Intervention Specialist.

MEd Core Requirements

(12 credit hours)

- EDMS 500 - History & Philosophy of Education in the U.S.
- EDFD 501 - Philosophy of Education
- EDFD 502 - History of American Education or
- EDFD 503 - Advanced Educational Psychology or
- EDFD 510 - Advanced Human Development & Learning
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper *

Licensure Reading requirements

(18 credit hours) for all areas are:

Reading Core

- EDRE 569 - Phonics & Foundation of Literacy
- EDRE 671 - Content Area Literacy
- EDRE 512 - Reading Methods for Early Childhood or
- EDRE 514 - Reading Methods for Middle Childhood
- EDSP 504 - Reading Assessment & Strategies-Language Processing Problems

Prerequisite Courses for Mild/Moderate, Moderate/Intensive, Early Childhood Intervention Specialists, and Gifted & Talented*

- EDFD 251 - Instructional Technology
- EDSP 505 - Foundations in Early Childhood Special Education
- EDSP 500 - Special Education: Identification & Issues *
- EDSP 503 - Special Education: Communication & Collaboration *

Note(s):

*Should be completed during the first 18 hours of the program.

Moderate/Intensive Intervention Specialist

Concentration Requirements

(26 credit hours)

- EDSP 570 - Moderate/Intensive Characteristics & Strategies
- EDSP 572 - Communication Strategies & Techniques
- EDSP 573 - Moderate/Intensive Assessment & Evaluation
- EDSP 574 - Curriculum Practices: Moderate Disabilities
- EDSP 567 - Special Education: Behavior & Social Skills Management
- EDSP 589 - Program Practices: Severe/Intensive Disabilities
- EDSP 604 - Moderate/Intensive Practicum
- EDSP 601 - Teaching Seminar

Comprehensive Exam Requirement

Finally, a student's Master Of Education degree will be awarded only to candidates who have passed an extensive written examination covering the four general survey courses. Should the student fail the comprehensive exam, it may be repeated only once.

Note(s):

- The University is not obliged to recommend licensure of any type on the basis of the completion of a Master of Education degree or specific course work in education. Students must also meet leadership, communication, and character requirements and pass the required PRAXIS tests of the State Department of Education for each specific license.

School of Education: Educational Leadership and Human Resource Development

The mission of the Department of Educational Leadership and Human Resource Development is the preparation and training of professionals in education and allied fields.

The Department of Educational Leadership and Human Resource Development offers the Master of Education in Administration, the Master of Science in Human Resource Development, and administration/supervision licensure programs for Ohio, Kentucky and other states.

Master of Education

Educational Administration, M.Ed.

The Educational Administration Master of Education degree, a professional degree, is designed to provide the preparation required for principals, administrative specialists, superintendents, and other educational administration positions. Students are encouraged to select Master of Education courses which correspond with the educational administration/supervision licensure they may seek. Licensure program courses and master's degree courses may be taken in unison or separately. However, a master's degree is required before the student is eligible to apply with their state for licensure or be accepted into a licensure only program. Educational Administration Licensure/Supervision programs include but are not limited to Principal/All Grade Principal, Specialists, Superintendents, Supervisor of Instruction, Director of Special Education, and Director of Pupil Personnel.

Xavier University also offers an innovative, integrated MSN/MEd program consisting of 47 semester credit hours. The student will receive two separate degrees, the Master of Science in Nursing and the Master of Science in Education. This program was developed in response to a community need for nurse educators. The MSN/MEd prepares the graduate to administer and teach in educational settings (i.e., CE providerships, in-service educators and nurse educators). Please contact the Department of Nursing for additional details.

Go to <http://www.xavier.edu/administration-grad/admission.cfm> to reference admission requirements.

Requirements for the M.Ed. in Educational Administration

(30 total credit hours required)

The core education courses are required for the Masters of Education in Administration and all of the licensure options.

The following serves as a curriculum guide, please see an educational administration advisor.

Core courses

(12 credit hours)

- EDFD 500 - Social, Historical, Philosophical Foundations of American Education or
- EDFD 502 - History of American Education
- EDFD 503 - Advanced Educational Psychology
- EDFD 505 - Educational Administration
- EDFD 507 - Educational Research
- EDFD 508 - Educational Research Paper

Licensure courses

(12-18 credit hours)

The licensure courses (except electives) are required for all licensure options {in addition to the appropriate internship(s)}. Any combination of the courses that total 18 semester hours will, when combined with the 12 core hours, equal 30 semester hours and thus qualify the candidate for a MEd in Educational Administration. Of the 18 semester hours, 6 semester hours may be elective credits at 500 level or above. However, elective credits are not applicable for licensure.

Go to [http:// www.xavier.edu/administration-grad/Licensure.cfm](http://www.xavier.edu/administration-grad/Licensure.cfm) to reference licensure requirements and details.

- EDAD 543 - Supervision of Instruction
- EDAD 548 - Principalship
- EDAD 562 - Political Structure & Public Relations
- EDAD 563 - School Business Affairs & Physical Facilities
- EDAD 564 - Administration of Staff Personnel
- EDAD 565 - School Law I
- EDAD 566 - School Finance & Economics
- EDAD 570 - Policy Planning & Evaluation
- EDAD 660 - Curriculum Design & Teaching Strategies

Elective courses

(0-6 credit hours)

- Graduate level courses, numbered 500 and above.

Internship(s) are required for licensure.

The required internship varies depending on specific licensure sought.

Consult with an educational administration advisor for specific licensure requirements.

- EDAD 710 - Superintendent Seminar
- EDAD 771 - Internship:Principal I
- EDAD 772 - Internship:Spec-Research I
- EDAD 773 - Internship: Spec-Staff Personnel I
- EDAD 774 - Internship:Spec-Curriculum Instruction I
- EDAD 775 - Internship:Spec-Pupil Services I

- EDAD 776 - Internship:Spec-School/Community Relations I
- EDAD 777 - Internship: Spec-Vocational Education I
- EDAD 778 - Advanced Administrative Practicum
- EDAD 779 - Internship:Superintendency I
- EDAD 781 - Internship:Principal II
- EDAD 782 - Internship:Spec-Research II
- EDAD 783 - Internship:Spec-Staff Personnel II
- EDAD 784 - Internship:Spec-Curriculum Instruction II
- EDAD 785 - Internship:Spec-Pupil Services II
- EDAD 786 - Internship:Spec-School/Community Relations II
- EDAD 787 - Internship:Spec-Vocational Education II
- EDAD 789 - Internship:Superintendency II

Note(s):

- All educational administration students must successfully complete the Master of Education (MEd) Comprehensive Examination upon completion of required coursework to earn the MEd degree.
- Additionally, all students seeking Kentucky certification must meet with an advisor to initiate a proposed program contract between Xavier University and the State of Kentucky prior to coursework. Students must submit Kentucky Rank II Teaching Certification from the Education Professional Standards Board, Frankfort, Kentucky indicating master's degree to an educational administration advisor.
- Additionally, the University is not obliged to recommend licensure of any type on the basis of the completion of a Master of Education degree or specific coursework in education. Students must also meet leadership, communication, and character requirements and pass the required PRAXIS tests of the State Department of Education for each specific license.

Summary of Steps for Admission and Continual Progress toward MEd Degree and Licensure

Step One:

Admission to M.Ed. graduate program

- Apply to the Graduate Services Office, including undergraduate record transcripts
- Take the Miller's Analogies Test (MAT) – student may take up to 6 credit hours prior to the test
- Declare educational administration as a major

Step Two:

Complete Program

- Complete 30 semester credit hours, including all required courses
- Pass comprehensive exam (exam can be repeated once, if needed)
- Apply for Xavier graduation

Step Three:

Licensure for Ohio

- For Xavier M.Ed. graduates, complete 15 semester credit hours of additional required coursework. Ohio superintendent licensure requires a total of 57 credit hours. Consult with an advisor for specific requirements.
- Pass PRAXIS exam in educational leadership
- Apply for licensure through the campus Director of Licensure and Certification; and follow university and state procedures for licensure

Note(s):

- Students may contact the Office of Graduate Services at 513-745-3360 for admission materials and the Department of Educational Leadership and Human Resource Development at 513-745-3701 to schedule an appointment with an advisor.

Master of Science

Human Resource Development (Executive Program), M.S.

Human Resource Development (HRD) is the integrated use of training, organizational development, and career development efforts to improve individual, group, and organizational effectiveness. Xavier's executive human resource development program is designed to develop ethical, competent professional leaders who can perform effectively in critical HRD roles, such as administrator of HRD programs, training manager or director, instructor, facilitator, trainer, management development specialist, organization change agent, program designer, or individual career development advisor.

Designed with working adults in mind, this program can offer you the chance to:

- Enhance your skills and knowledge as an HRD practitioner and obtain a graduate degree.
- Begin a new career in training, organization or career development.
- Work in business, industry, private, non-profit or public organizations as an internal or external HRD consultant.

The Xavier HRD program is offered in an executive format as a 21-month program. Students attend classes on the Xavier campus 24 weekends (Friday night, all day Saturday, and Sunday mornings) and during that time, approximately 1 weekend per month. A unique feature of this program is that it employs an executive approach to graduate study: Students enter with a group of students with whom they remain throughout their program of study. Due to the comprehensive and consecutive sequence of courses, no transfer credits will be accepted from other programs. There is no final thesis or comprehensive exam required for the program. Students will be admitted only once per year in the early spring for a cohort class which will begin in the following fall. Early application to the program is recommended.

Go to <http://www.xavier.edu/hrd/Admission.cfm> to reference the admission requirements.

Requirements for the M.S. in HRD

The degree requires 30 semester hours. The 21-month program begins in August of each year. The courses are sequential and held on the weekends. There is no final thesis or final comprehensive exam required, and there are no course prerequisites.

The typical course sequence per each semester is as follows:

Fall #1 (9 credit hours)

- EDHR 605 - Developing the Adult Learner
- EDHR 606 - Behaving in Organizations
- EDHR 607 - Consulting for Organizational Effectiveness

Spring #1 (6 credit hours)

- EDHR 608 - Advising for Career Development
- EDHR 609 - Assessing & Evaluating Human Resource Development Programs
- EDHR 616 - Technology in Human Resource Development

Summer #1 (3 credit hours)

- EDHR 610 - Designing Human Resource Development Programs

Fall #2 (6 credit hours)

- EDHR 614 - Applying/Designing Human Resource Development Research
- EDHR 612 - Facilitate Learning in Human Resource Development Programs

Spring #2 (6 credit hours)

- EDHR 613 - Managing Human Resource Development Programs
- EDHR 615 - Trends & Issues in Human Resource Development
- EDHR 611 - Developing Human Resource Development Programs

May of year #2 is graduation.

Williams College of Business

Williams College of Business

The mission of the Williams College of Business is to educate students of business enabling them to improve organizations and society, consistent with the Jesuit tradition.

The Williams College of Business is accredited by the Association to Advance Collegiate Schools of Business International (AACSB International).

Degrees, Programs and Block Schedules

The Bachelor of Science in Business Administration (BSBA) is offered with 9 different majors, at the undergraduate level. Offered at the graduate level are a Master of Business Administration (MBA) degree with 6 different concentrations and an Executive MBA program.

Also offered at the undergraduate level are an Associate of Business Administration degree, a Certificate in Pre-MBA Studies, a Certificate in Information Technology, a minor in Business, a minor in Advanced Technology, a minor in Economics, a minor in Entrepreneurship, a minor in Information Technology, a minor in International Business, and a minor in Strategic Human Resource Management.

Students in the Williams College of Business also have the opportunity to participate in an Internship Program and/or study abroad.

Bachelor of Science in Business Administration, B.S.B.A.

Business students in the University Scholars program may also elect to participate in the Business Scholars Program. The program provides advanced coursework in economics, finance, management and business law.

Like the University Scholars program, students take specific classes - designated as "*honors*" sections-in the business curriculum. The classes fulfill classes required of all business majors. Honors courses are smaller in size and focus more attention on in-depth analysis, critical thinking, discussion and writing. Business scholars follow the same curriculum guidelines as all other University Scholars.

Beyond that, business scholars must take four business courses at honors level. Many of the business honors sections will also serve as Honors Seminars, another requirement in the University Scholars program.

The BSBA degree program consists of:

Undergraduate core curriculum:

64 hours, including

Mathematics:

- [MATH 150 - Elements of Calculus I](#) or
- [MATH 170 - Calculus I](#)
-
- [STAT 210 - Statistics For Business I](#)

Social sciences:

- [ECON 200 - Microeconomic Principles](#)
- [ECON 201 - Macroeconomic Principles](#)

Business Core Requirements:

42 hours

A 2.000 grade point average must be attained in the business core which includes [\[\[permalink=18|tooltip\]\]%prefix% %code%\[\[/permalink\]\]](#) & [\[\[permalink=19|tooltip\]\]%prefix% %code%\[\[/permalink\]\]](#). And at least half of the 42 total credit hours must be taken at Xavier.

- [ACCT 200 - Introductory Financial Accounting](#)
- [ACCT 201 - Introductory Managerial Accounting](#)
- [BLAW 300 - Legal Environment](#)
- [ECON 200 - Microeconomic Principles](#)
- [ECON 201 - Macroeconomic Principles](#)
- [ECON 300 - International Trade & Business Environment](#)
- [FINC 300 - Business Finance](#)
- [INFO 120 - Introduction to Business Technology](#)
- [INFO 200 - Managing Information Technology](#)
- [MGMT 300 - Managerial Behavior](#)
- [MGMT 301 - Managerial Communications](#)
- [MGMT 302 - Quality & Product in Operations](#)
- [MKTG 300 - Principles of Marketing](#)
- [STAT 211 - Statistics For Business II](#)
- [SHRM 200 - Human Resources In a Diverse S](#) (Fulfills Cultural Diversity requirement)

Major Requirements:

18-21 hours are required.

Complete the Business Profession seminars:

- [BUAD 101 - The Business Profession I](#)
- [BUAD 102 - The Business Profession I](#)
- [BUAD 201 - The Business Profession II](#)
- [BUAD 202 - The Business Profession II](#)
- [BUAD 301 - The Business Profession III](#)
- [BUAD 302 - The Business Profession III](#)
- [BUAD 303 - Co-op Education/Intl Bus:JR](#)
- [BUAD 401 - The Business Profession IV](#)
- [BUAD 402 - The Business Profession IV](#)

Note(s):

- At least half of the credit hours must be taken at Xavier.
- A minimum 2.000 GPA must be achieved for the courses taken within the major.
- Business course credit received ten or more years ago will not be accepted as transfer credit or readmit credit toward current requirements.

Electives:

- 3 hours of business courses. (i.e. 300-499 numbered courses in business, beyond the Business Core and the Major courses).
- 3 hours general electives (except for majors that require 21 hours).

TOTAL Minimum Hours Required for Degree: 120 Semester Hours

The Pre-Business Core

The Pre-Business Core is designed to ensure students have the quantitative skills necessary to be successful in the upper- and major-level courses in business. Undergraduate students are eligible to declare business-undecided or any specific business major at any time. However, students will be coded as “provisional status” until they have completed the Business Pre-Core requirements. Once students have completed the Pre-Business Core, the “provisional status” will be lifted and students may proceed to take major-level courses in their intended field of study.

Regardless of “provisional status”, all business students will have access to faculty advisors in their major; they will be encouraged to follow the block scheduled sequence of classes; they will be invited to club activities and will participate in all career development activities provided by the college.

Pre-Business Core Requirements:

16-17 total credit hours, as follows:

- [INFO 120 - Introduction to Business Technology](#)
- [ACCT 200 - Introductory Financial Accounting](#)
- [ECON 200 - Microeconomic Principles](#)
-
- [MATH 150 - Elements of Calculus I](#) or
- [MATH 170 - Calculus I](#)
-
- [STAT 210 - Statistics For Business I](#)
- [STAT 211 - Statistics For Business II](#)

Note(s):

- Achieve a 2.500 combined grade point average in these courses.
- Earn a minimum of 30 credit hours toward degree requirements.
- Achieve an overall cumulative grade point average of 2.500.

Business Scholars & University Scholars Program

Business students in the University Scholars program may also elect to participate in the Business Scholars Program. The program provides advanced coursework in economics, finance, management and business law.

Like the University Scholars program, students take specific classes - designated as "honors" sections-in the business curriculum. The classes fulfill classes required of all business majors. Honors courses are smaller in size and focus more attention on in-depth analysis, critical thinking, discussion and writing. Business scholars follow the same curriculum guidelines as all other University Scholars.

Beyond that, business scholars must take four business courses at honors level. Many of the business honors sections will also serve as Honors Seminars, another requirement in the University Scholars program.

Requirements for Business Scholars Program

Students must complete all University Scholars requirements, plus:

- Micro- or Macroeconomic Principles ([\[\[permalink=18|tooltip\]\]%prefix% %code%\[\[/permalink\]\]](#) and/or [\[\[permalink=19|tooltip\]\]%prefix% %code%\[\[/permalink\]\]](#)) at honors level.
- Managerial Behavior ([\[\[permalink=62|tooltip\]\]%prefix% %code%\[\[/permalink\]\]](#)) at honors level (seminar course).
- Business Finance ([\[\[permalink=51|tooltip\]\]%prefix% %code%\[\[/permalink\]\]](#)) at honors level (seminar course).
- Legal Environment ([\[\[permalink=48|tooltip\]\]%prefix% %code%\[\[/permalink\]\]](#)) at honors level (seminar course and E/RS Focus Elective).

Business Scholars/University Scholars Program

Freshman Year

First Semester

- [MATH 150 - Elements of Calculus I](#) -Honors
- History I Elective * (3)
- [ENGL 115 - Rhetoric](#) -Honors
- Foreign Language I ** (3)
- [THEO 111 - Theological Foundations](#) -Honors
- [BUAD 101 - The Business Profession I](#)

Total (15)

Second Semester

- [STAT 210 - Statistics For Business I](#)
- History II Elective * (3)
- [MKTG 300 - Principles of Marketing](#)
- Foreign Language II ** (3)
- [PHIL 100 - Ethics as Introduction to Philosophy](#)
- [BUAD 102 - The Business Profession I](#)
- [INFO 120 - Introduction to Business Technology](#)

Total (16)

Sophomore Year

First Semester

- [STAT 211 - Statistics For Business II](#)
- [ACCT 200 - Introductory Financial Accounting](#)
- [ECON 200 - Microeconomic Principles](#) *
- Literature Elective SEM (3)
- [INFO 200 - Managing Information Technology](#)
- [BUAD 201 - The Business Profession II](#)

Total (15)

Second Semester

- [SHRM 200 - Human Resources In a Diverse S](#) EPU
- [ACCT 201 - Introductory Managerial Accounting](#)
- [ECON 201 - Macroeconomic Principles](#)
- [PHIL 290 - Theory of Knowledge](#)
- [MGMT 300 - Managerial Behavior](#) -Honors
- [BUAD 202 - The Business Profession II](#)

Total (15)

Junior Year

First Semester

- [ECON 300 - International Trade & Business Environment](#)
- Science Elective-Honors (major level) (3)
- MAJOR (3)
- [MGMT 301 - Managerial Communications](#)
- [ENGL 205 - Literature & Moral Imagination](#)
- Theo Scrip/Hist or Christ Sys Elect SEM (3)
- [BUAD 301 - The Business Profession III](#)

Total (17)

Second Semester

- MAJOR (3)
- Science Elective I (4)
- [BLAW 300 - Legal Environment](#) SEM ***
- [MGMT 302 - Quality & Product in Operations](#)
- [FINC 300 - Business Finance](#) -Honors
- [BUAD 302 - The Business Profession III](#)

Total (16)

Senior Year

First Semester

- MAJOR (3)
- MAJOR (3)
- Bus Elective-Honors or Cooperative Ed (3)
- Science Elective (3)
- Theology Ethics or Rel/Cult Elective SEM (3)
- [BUAD 401 - The Business Profession IV](#)

Total (15)

Second Semester

- MAJOR (3)
- MAJOR (3)
- Gen Elect(or ACCT Elect for ACCT majors) (3)
- Fine Arts Elective **** (3)
- Philosophy Elective SEM (3)

- [BUAD 402 - The Business Profession IV](#)

Total (15)

Scheduling Notes:

- Consult the "[[permalink=43|same]]Undergraduate Core Curriculum[[/permalink]]" requirements of the Catalog or website.
- * Scholars must take one history course at honors level. Scholars must also take either [[permalink=18|tooltip]]%prefix% %code%[[/permalink]] or [[permalink=19|tooltip]]%prefix% %code%[[/permalink]] at honors level.
- Beyond [[permalink=2|tooltip]]%prefix% %code%[[/permalink]] and [[permalink=1|tooltip]]%prefix% %code%[[/permalink]], scholars must also take one course in either area at honors level.
- Student must take either [[permalink=63|tooltip]]%prefix% %code%[[/permalink]] or second science elective at honors or major level.
- ** Students must demonstrate intermediate foreign/second language proficiency (202 level or above).
- *** BLAW 300 at honors level also fulfills E/RS Focus Elective requirement.
- **** Students must complete a studio or performance course for the fine arts elective.
- EPUJ [[permalink=47|tooltip]]%prefix% %code%[[/permalink]] fulfills the Cultural Diversity Elective. (Business scholars need not take an additional E Pluribus Unum course).
- SEM Possible Seminar Elective. Students must complete a minimum of three seminars.

Freshman Year	31 hours
Sophomore Year	30 hours
Junior Year	33 hours
Senior Year	30 hours
Total Hours	124 credit hours

The Business Profession

The Business Profession is a non-credit program for business students at Xavier. The program provides students with career education and professional training to help them more smoothly transition into their business career. The program is required for all business students and supplements their academic studies.

Business students will attend workshops and events each semester on topics such as career assessment and selection, resume writing, interviewing, time management, professional etiquette, networking and others. Students will also have the opportunity to meet with business executives to discuss their career goals.

Internship Program

The Williams College of Business offers Internship opportunities to qualified students. Cooperative Education is a structured educational program which integrates classroom learning and practical experience. Work experiences relate to students' majors and allow them to develop their professional as well as academic skills. Internship opportunities are employer paid and involve faculty participation and evaluation. Students registered for any Internship class will be considered full-time status. Interested students should contact the Internship director, WCB Office, 3800 Victory Parkway, Cincinnati, Ohio 45207-3230, 513 745-4869, for further details or to apply for the program.

Internship eligibility requirements:

- Have 55 or more earned credit hours; junior status.*
- Have a minimum overall GPA of 2.750 with no repeated course in the major below a "C".*
- Have a formally declared business major or minor.
- Have successfully completed MGMT 301, Managerial Communications, with a "C" or better or have attended the WCB Business Professions Program's "Resume Workshop" and "Interviewing Workshop."

* May be waived in certain circumstances, consult the internship director.

Williams College of Business Centers

Cintas Institute for Business Ethics

The Cintas Center focuses on helping students and other Xavier stakeholders recognize and deal with ethical and values-related issues in the workplace. To that end, the center designs corporate workshops, stages continuing education sessions, sponsors guest lectures and conducts an annual ethics institute that features leading corporate executives, ethics officers, and legislative and judicial officials. The center also:

- Serves as a resource for the local, regional and national business communities.
- Enables students to choose to do the hard right, as opposed to the easy wrong.
- Helps faculty increase their exposure and confidence in the areas of business ethics and social responsibility.

The Sedler Family Center for Entrepreneurship and Innovation

The Sedler Center develops entrepreneurial leaders who seek opportunities, act resourcefully, think creatively and lead ethically to make a difference in their organizations in the world. Its accomplishments include:

- A ranking of No. 24 among the most entrepreneurial campuses in America by *The Princeton Review*.
- An internationally recognized faculty with established reputations for research and teaching.
- An entrepreneurship major for business students and a minor for business and non-business students.
- A student learning lab at the Hamilton County Business Center, which provides startup space and contact with entrepreneurs.
- Six student-managed-and-operated businesses on campus.

Associate of Business Administration

Business Administration, A.B.A.

The Associate of Business Administration Degree in General Business requires 65 semester hours. The student must complete at least 30 hours at Xavier University, including at least 15 hours of required business courses. The program is divided between general University core requirements and business courses. This associate degree is intended as a stepping stone toward the bachelor's degree.

Requirements for the Associate of Business Administration

University Core Requirements:

30 hours

- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Fine Arts Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I
- • History Elective (1st level) (3)
- • Literature Elective (3)
- THEO 111 - Theological Foundations
- PHIL 290 - Theory of Knowledge or
- • Theology Elective (3)
- • Science Elective (3)

Business Courses:

35 hours

- ACCT 200 - Introductory Financial Accounting
- ACCT 201 - Introductory Managerial Accounting
- BLAW 300 - Legal Environment
- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

- FINC 300 - Business Finance
- INFO 200 - Managing Information Technology
- MKTG 300 - Principles of Marketing
- MGMT 300 - Managerial Behavior
- MGMT 301 - Managerial Communications
- MGMT 302 - Quality & Product in Operations
- SHRM 200 - Human Resources In a Diverse S (fulfills Cultural Diversity Elective)

Note(s):

- A 2.000 cumulative average must be attained in these business courses.

Requirements for all Associate's Degrees

Meeting degree requirements is the student's responsibility.

Candidates for associate degrees must have:

- completed the appropriate requirements listed under the [Core Curriculum](#) - Associate's Degrees;
- attained a 2.000 average in the course work of the concentration;
- attained a cumulative grade point average of 2.000;
- earned at least 60 hours;
- completed the last 30 hours at Xavier, excluding consortium courses, unless waived by college dean;
- transferred, normally, no more than 9 hours from another college or university toward a degree after matriculation at Xavier;
- filed a formal graduation application by the deadline published for each semester;
- completed all departmental requirements in the concentration field and all requirements of the college;
- cleared all financial obligations to the University before the diploma and transcripts can be released.

In addition to the above, transfer students must have:

- completed at least one-half of the course requirements of the concentration at Xavier.

Certificate

Information Technology (IT) Certificate

The Department of Management Information Systems offers the Certificate in Information Technology.

This certificate program is designed for students who are not pursuing an undergraduate degree or have already completed an associate or bachelor degree, but wish to continue their education in information systems. It is identical to the Minor in Information Technology.

Requirements:

15 total credit hours, as follows:

6 hours from two required courses:

- INFO 200 - Managing Information Technology (or its equivalent)
- INFO 358 - Data Modeling and Management

9 hours from elective courses:

Select from:

- INFO 300-499 (Refer to [Course Descriptions](#) .)
- ACCT 495 - Analysis of Accounting Systems
- FINC 485 - Computer Applications in Finance
- MKTG 329 - Data Mining

Note(s):

- A 2.000 cumulative average must be attained in these courses.
- At least half of these credit hours must be taken at Xavier.

Pre-MBA Studies Certificate

This certificate program satisfies the foundation courses required for the Xavier evening and weekend M.B.A. programs. It is designed for the non-business student or for the returning student who already has completed a bachelor's degree. Upon admission to the MBA program, the pre-MBA will count for the waiver of the 500 level foundation courses provided the courses were completed within the previous five years and a grade of "B" or above was attained in each course.

Requirements for Certificate in Pre-MBA Studies:

Certificate is 30 hours.

Required courses include:

- ACCT 200 - Introductory Financial Accounting
- ACCT 201 - Introductory Managerial Accounting
- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles
- ECON 300 - International Trade & Business Environment
- FINC 300 - Business Finance
- MGMT 300 - Managerial Behavior
- MKTG 300 - Principles of Marketing
- STAT 210 - Statistics For Business I
- STAT 211 - Statistics For Business II

Note(s):

- A grade of "B" must be attained in these courses and they must be less than five years old for M.B.A. foundation course waiver.
- At least half of the credit hours must be taken at Xavier.

Minors

Business Minor

This minor is available to all undergraduate non-business majors as it provides students with an introduction to business. Students gain exposure to a variety of business disciplines and topics.

20-21 total credit hours are required, as follows:

18 hours of specific business courses:

- ACCT 200 - Introductory Financial Accounting
- ECON 200 - Microeconomic Principles
- FINC 300 - Business Finance
- INFO 200 - Managing Information Technology
- MKTG 300 - Principles of Marketing
- MGMT 300 - Managerial Behavior

2-3 hours of a business elective course are also required for the minor:

(All prerequisites for elective courses must be met)

Courses typically chosen as an elective are:

- ACCT 201 - Introductory Managerial Accounting
- BLAW 300 - Legal Environment
- ECON 201 - Macroeconomic Principles
- ECON 300 - International Trade & Business Environment
- MGMT 301 - Managerial Communications
- SHRM 200 - Human Resources In a Diverse S

Note(s):

- A 2.000 cumulative average must be attained in these courses.
- At least half of these credit hours must be taken at Xavier.

Master of Business Administration

Executive MBA Program

The Executive MBA Program provides the opportunity for experienced managers and executives to sharpen their managerial skills and broaden their perspectives while maintaining their current positions in their organizations. The ultimate objective of the program is to prepare participants for increasing responsibilities in general management and executive positions. This is accomplished through a learning process which expands their awareness of modern analytical, administrative and decision making methods. This 48 credit hour program is designed to deepen their conceptual understanding of behavioral, technological, and environmental forces which will impact their work and organizations in the years ahead.

The Executive MBA Program offers a faster-paced, learning condensed format, mandatory teams and collaborative learning, limited class size and special events to promote deeper learning experiences. There are networking opportunities. The focus on global business with a required international field study emphasizes immediate applicability of material being discussed.

A program run separately from Xavier's traditional MBA Program, the Executive MBA Program commences once a year in September and runs for 19 months. Classes are concentrated into one day all day per week, alternating between Fridays and Saturdays. A ten day mandatory international trip occurs halfway through the program. Admission is based on significant managerial and corporate leadership, business experience in addition to undergraduate academic records, GMAT scores, and evidence of strong organizational support.

Information regarding the Executive MBA Program may be obtained from the Executive MBA Program Coordinator at 513 745-3412 or XMBA@xavier.edu.

Master of Business Administration

The Master of Business Administration Program at Xavier University is designed to meet the educational needs of potential and practicing executives. Xavier's MBA program offers a realistic approach to education, utilizing a balanced presentation of relevant theory combined with practical case study. A Xavier MBA is an experience in participative learning: case analyses, lectures, group projects, and technology inclusive assignments and simulations. Faculty expertise, cutting edge curriculum, and exemplary methods of instruction enable Xavier MBA students to acquire the disciplines and skills of business. Students develop problem-solving and decision-making abilities and the capacity for continued learning, strategic decision making, and comprehensive corporate stewardship and leadership.

The Xavier MBA program is accredited by The Association to Advance Collegiate Schools of Business (AACSB.edu), an accreditation held by only one-third of the existing MBA programs globally.

MBA program applicants must take the Graduate Management Admission Test (GMAT) prior to admission. Test information may be obtained from Xavier's MBA Office or on-line at WWW.MBA.COM. Persons holding a doctoral degree may be exempt from the GMAT. Information regarding the MBA program may be obtained from the MBA Office at 513 745-3525 or email XUMBA@xavier.edu.

It is the responsibility of the graduate student to become informed concerning all required regulations and procedures. In no case will a regulation be waived or an exception granted because a student pleads ignorance of the regulation or asserts that information was not given by an advisor or other authority. MBA students must abide by all regulations contained in the MBA Academic Standards and take M.B.A. Ethics Policy.

Xavier participates in a unique partnership with a number of other AACSB accredited Jesuit universities' MBA programs. Most are located in major metropolitan areas. Under the terms of the partnership, each institution works to accept the majority of the coursework completed toward an MBA degree at another participating institution. However, the ultimate decision on course transfer lies with the degree granting institution. Each course transferring must carry a grade of "B" or better. The MBA is awarded by the institution where more than half of the core degree requirements were completed. From all other AACSB MBA programs institutions, a maximum of six semester hours of transfer credit for upper level and elective courses may be accepted toward the MBA degree. All transferred coursework must be approved by the Senior Executive Director or the Dean of the Graduate School of Business and carry a grade of "B" or better. Graduate courses already applied towards a degree may not be used again for credit toward another graduate degree. The grade and quality points for credits transferred from another institution are not included in a student's point average.

Participating institutions include the following:

Boston College, Boston MA
Canisius College, Buffalo, NY
Creighton University, Omaha NE
Fairfield University, Fairfield CT
Fordham University, New York, NY
Gonzaga University, Spokane, WA
John Carroll University, Cleveland OH
Loyola College in Maryland, Baltimore MD
Loyola Marymount Univ., Los Angeles CA
Loyola University Chicago, Chicago IL
Loyola Univ. New Orleans, New Orleans LA
Marquette University, Milwaukee WI
Rockhurst University, Kansas City MO
Santa Clara University, Santa Clara CA
Seattle University, Seattle WA
St. Joseph University, Philadelphia PA
St. Louis University, St. Louis MO
University of Dayton, Dayton OH *
University of Detroit Mercy, Detroit MI
University of Portland, Portland OR *
University of San Diego, San Diego CA *
Univ. of San Francisco, San Francisco CA
University of Scranton, Scranton PA

* Non Jesuit School

MBA degree requirements

The Master of Business Administration requires a minimum of 36 credit hours with a GPA of at least 3.000.

Foundation Skills (500-level) courses do not count toward the 36-hour minimum.

Foundation Skills

(20 semester hours)

These courses can be waived or tested out.

- ACCT 500 - Foundations of Financial Accounting
- BUAD 500 - International Business
- MGMT 500 - Managerial Behavior & Skills
- ECON 500 - Microeconomic Analysis
- STAT 500 - Business Statistics

- ACCT 501 - Foundations of Managerial Acct (Pre-req: ACCT 500)
- FINC 500 - Corporate Finance (Pre-req: ACCT 500, 501)
- MKTG 500 - Marketing Concepts
- ECON 501 - Macroeconomics Analysis (Pre-req: ECON 500)

Note(s):

- Some or all of these courses may be waived depending upon the student's previous academic credentials provided the prior academic coursework is less than five years old and has a grade of "B" or higher. The majority of these courses must be completed before beginning the Integrated Functions. Majority of Foundation Skills Courses must be taken before next level of courses.

Integrated Functions

(24 semester hours)

These specific topics emphasize the integration of skills applied to complex business decisions.

- ACCT 600 - Financial Reporting & Analysis or
- ACCT 601 - Strategic Measure, Eval & Cntrl (Pre-req: ACCT 500, 501; FINC 500)
- ECON 600 - Managerial Economics (Pre-req: ECON 500 & 501)
- FINC 600 - Managerial Finance (Pre-req: FINC 501 & ACCT 500 & 501)
- INFO 600 - Information Technology Management
- BUAD 600 - Business Law & Ethics
- MGMT 600 - Strategy and Organizations (Pre-req: MGMT 500)
- MGMT 601 - Operational Analysis (Pre-req: MGMT 500)
- MKTG 600 - Marketing Strategy (Pre-req: MKTG 500)

Matrix Course:

(3 semester hours)

Pre-requisite: complete all the required M.B.A. courses.

Designed to draw on the cumulative knowledge and experience gained during the M.B.A. experience.

- BUAD 690 - Corporate Governance or
- BUAD 691 - Global Strategic Thinking or
- BUAD 692 - Service Learning or
- BUAD 693 - Organizational Business Case

Note(s):

- All other courses except electives must be completed before taking this course.

Elective Areas of Concentration and minimum credit hours required

- Finance (12)
- Business Intelligence (9)
- International Business (9)
- Health Industries (12)
- Marketing (12)
- Business Administration (9)
- Management Information Systems (9)

Contact the M.B.A. office for further details and developments. Some concentrations have required courses. Consult with your academic advisor and the Degree Evaluation report that is available on the MyXU portal.

Students may tailor electives in the area(s) of concentration of their choice to provide a broader understanding of the business world or to specialize their degree. All MBA electives, no matter the department, count toward the Business Administration concentration, which is the default concentration for all students. A

declaration of concentration must be done in the MBA office. Opportunities for international study trips, independent study tutorials, and experimental courses are often available for students and do count toward the Business Administration concentration. Such opportunities must be discussed with an MBA advisor.

MBA Plus Concentration

A student with an MBA degree earned from any accredited school may participate in the MBA Plus concentration program earning a certificate in any of the above areas of concentration or take graduate level business courses in line with personal interests.

Weekend MBA Program

The Weekend MBA is designed to meet the needs of working professionals who cannot easily attend classes on weekday evenings. The program begins once a year in the fall semester. Morning and afternoon classes are offered on Saturday. Students follow an established curriculum of 12 courses that are offered for six sequential semesters (including summers). The program format makes it possible for students to finish their MBA in two years.

Students participate in a cohort-like program yet only meet for class once a week. **All Foundation Skill courses (500 level courses) must be completed to be eligible for admission. For students without the foundation skills, the Pre-MBA Studies program is recommended.**

The following is a typical schedule for the Weekend MBA program, with 36 total credit hours required.

Fall Semester Year 1

- ACCT 600 - Financial Reporting & Analysis or
- ACCT 601 - Strategic Measure, Eval & Cntrl
- MGMT 600 - Strategy and Organizations

Spring Semester Year 1

- ECON 600 - Managerial Economics
- MGMT 601 - Operational Analysis

Summer Session Year 1

- BUAD 600 - Business Law & Ethics
- • Elective (5 week blocks) (3)

Fall Semester Year 2

- FINC 600 - Managerial Finance
- INFO 600 - Information Technology Management

Spring Semester Year 2

- MKTG 600 - Marketing Strategy
- Elective (3)

Summer Session Year 2

- Capstone Course (3)
- Elective (5 week block) (3)

Other Programs

Business Scholars & University Scholars Program

Business students in the University Scholars program may also elect to participate in the Business Scholars Program. The program provides advanced coursework in economics, finance, management and business law.

Like the University Scholars program, students take specific classes - designated as "honors" sections-in the business curriculum. The classes fulfill classes required of all business majors. Honors courses are smaller in size and focus more attention on in-depth analysis, critical thinking, discussion and writing. Business scholars follow the same curriculum guidelines as all other University Scholars.

Beyond that, business scholars must take four business courses at honors level. Many of the business honors sections will also serve as Honors Seminars, another requirement in the University Scholars program.

Requirements for Business Scholars Program

Students must complete all University Scholars requirements, plus:

- Micro- or Macroeconomic Principles ([ECON 200](#) and/or [ECON 201](#)) at honors level.
- Managerial Behavior ([MGMT 300](#)) at honors level (seminar course).
- Business Finance ([FINC 300](#)) at honors level (seminar course).
- Legal Environment ([BLAW 300](#)) at honors level (seminar course and E/RS Focus Elective).

Business Scholars/University Scholars Program

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I -Honors
- History I Elective * (3)
- ENGL 115 - Rhetoric -Honors
- Foreign Language I ** (3)
- THEO 111 - Theological Foundations -Honors
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- • History II Elective * (3)
- MKTG 300 - Principles of Marketing
- • Foreign Language II ** (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ACCT 200 - Introductory Financial Accounting
- ECON 200 - Microeconomic Principles *
- • Literature Elective _{SEM} (3)
- INFO 200 - Managing Information Technology
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S_{EPU}
- ACCT 201 - Introductory Managerial Accounting
- ECON 201 - Macroeconomic Principles
- PHIL 290 - Theory of Knowledge
- MGMT 300 - Managerial Behavior -Honors
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- Science Elective-Honors (major level) (3)
- MAJOR (3)
- MGMT 301 - Managerial Communications
- ENGL 205 - Literature & Moral Imagination
- Theo Scrip/Hist or Christ Sys Elect SEM (3)
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- MAJOR (3)
- Science Elective I (4)
- BLAW 300 - Legal Environment SEM ***
- MGMT 302 - Quality & Product in Operations
- FINC 300 - Business Finance -Honors
- BUAD 302 - The Business Profession III

Total (16)

Senior Year

First Semester

- MAJOR (3)
- MAJOR (3)
- Bus Elective-Honors or Cooperative Ed (3)
- Science Elective (3)
- Theology Ethics or Rel/Cult Elective SEM (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- MAJOR (3)
- MAJOR (3)
- Gen Elect(or ACCT Elect for ACCT majors) (3)
- Fine Arts Elective **** (3)
- Philosophy Elective SEM (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the " [Undergraduate Core Curriculum](#) " requirements of the Catalog or website.
- * Scholars must take one history course at honors level. Scholars must also take either [ECON 200](#) or [ECON 201](#) at honors level.
- Beyond [THEO 111](#) and [PHIL 100](#) , scholars must also take one course in either area at honors level.
- Student must take either [STAT 210](#) or second science elective at honors or major level.
- ** Students must demonstrate intermediate foreign/second language proficiency (202 level or above).
- *** BLAW 300 at honors level also fulfills E/RS Focus Elective requirement.
- **** Students must complete a studio or performance course for the fine arts elective.
- EPU [SHRM 200](#) fulfills the Cultural Diversity Elective. (Business scholars need not take an additional E Pluribus Unum course).
- SEM Possible Seminar Elective. Students must complete a minimum of three seminars.

Freshman Year	31 hours
Sophomore Year	30 hours
Junior Year	33 hours
Senior Year	30 hours
Total Hours	124 credit hours

Accountancy

Bachelor of Science in Business Administration

Accounting, B.S.B.A.

The Department of Accountancy offers the Bachelor of Science in Business Administration degree in Accounting. Also, it offers a Professional Accountancy Program to meet the law that is in effect in most states, including Ohio, that requires candidates to complete 150 semester credit hours of college coursework prior to sitting for the CPA examination.

The BSBA in Accounting is a four-year program that may be a terminal degree for students not interested in pursuing the CPA certificate, as well as a step toward fulfilling the 150-hour requirement for CPA candidates. An elective Internship experience is available to either student category.

Requirements for the BSBA Accounting Major

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business core requirements:

42 hours includes

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

22 total credit hours required, as follows:

22 hours of specific accounting courses above the business core:

- ACCT 300 - Intermediate Financial Accounting I
- ACCT 301 - Intermediate Financial Accounting II
- ACCT 311 - Introduction to Taxation
- ACCT 321 - Cost Accounting
- ACCT 421 - Auditing
- ACCT 431 - Advanced Financial Accounting
- ACCT 495 - Analysis of Accounting Systems

Electives:

- 3 hours of business electives.

Note(s):

- A 2.000 average must be attained in these accounting major courses.
- Ethical issues and professional responsibilities of accountants are integrated throughout these courses.
- Any course taken at another institution must be from an AACSB accredited business school and approved by the department.

B.S.B.A. Accounting

This block serves as a guideline for progress toward a degree. Note that the following schedule should only be followed by a student who does not plan to complete the requirements to sit for the CPA exam. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- History II Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language Elective (3)
- THEO 111 - Theological Foundations

- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Foreign Language Elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ECON 200 - Microeconomic Principles
- ACCT 200 - Introductory Financial Accounting
- INFO 200 - Managing Information Technology
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ECON 201 - Macroeconomic Principles
- ACCT 201 - Introductory Managerial Accounting
- PHIL 290 - Theory of Knowledge
- MGMT 300 - Managerial Behavior
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • Science Elective (3)
- ACCT 300 - Intermediate Financial Accounting I
- ACCT 311 - Introduction to Taxation
- MGMT 301 - Managerial Communications
- • Theol Scrip/Hist or Christ Sys Elective (3)
- BUAD 301 - The Business Profession III

Total (18)

Second Semester

- FINC 300 - Business Finance
- • Science Elective (3)
- ACCT 301 - Intermediate Financial Accounting II
- ACCT 321 - Cost Accounting
- MGMT 302 - Quality & Product in Operations
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- • Theology Ethics or Rel/Cult Elective (3)
- BLAW 300 - Legal Environment **
- ACCT 421 - Auditing
- ACCT 431 - Advanced Financial Accounting
- • Science Elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- • Philosophy Elective (3)
- ACCT 495 - Analysis of Accounting Systems
- • Literature Elective (3)
- • Fine Arts Elective (3)
- • Business Elective (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
 - * [SHRM 200](#) fulfills the Cultural Diversity Elective.
 - ** E/RS Focus Elective requirement may be used to satisfy another element of the core or the major requirements.
- | | |
|----------------|---|
| Freshman Year | 31 hours |
| Sophomore Year | 30 hours |
| Junior Year | 32 hours |
| Senior Year | 30 hours |
| Total Hours | 124 credit hours are typical, with 120 as the absolute minimum. |

Dual Degree

The Professional Accountancy Program, B.S.B.A/M.B.A.

This is a five-year program, which many students complete in less than five years, that enables a student to earn a BSBA in Accounting and an MBA while satisfying the 150-hour requirement for the CPA exam. Students are allowed to seek admission to the MBA program when they have one year remaining to complete their BSBA in Accounting. Those accepted may begin taking a limited number of graduate courses while completing their undergraduate degree. They also may use three credit hours of undergraduate electives for MBA courses and obtain a waiver for ACCT 501 provided ACCT 321 was completed with at least a "B." (NOTE: The 150 hour requirement may also be satisfied by a double undergraduate major; such as, Accounting and Information Systems, or Accounting and Finance. This approach requires a student to take an additional three credit hour Accounting elective to meet the 30 credit hours of Accounting courses required under law in the State of Ohio.)

Requirements:

- Same as the requirements for [BSBA in Accounting](#) except for 3 hours of business electives that may be used for MBA business skills courses.
- Same as requirements for all MBA students except for waiver of [ACCT 501](#) .
- Nine credit hours of graduate electives which may include one or more courses in Accounting/Taxation, beyond [ACCT 602](#) .

B.S.B.A. Accounting and MBA

This block serves as a guideline for progress toward a degree. Through a combination of summer work and/or taking 18 hours per semester, many students complete their program in four or four and one-half years. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Foreign Language Elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ECON 200 - Microeconomic Principles
- ACCT 200 - Introductory Financial Accounting
- INFO 200 - Managing Information Technology
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ECON 201 - Macroeconomic Principles

- ACCT 201 - Introductory Managerial Accounting
- PHIL 290 - Theory of Knowledge
- MGMT 300 - Managerial Behavior
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • Science Elective (3)
- ACCT 300 - Intermediate Financial Accounting I
- ACCT 311 - Introduction to Taxation
- MGMT 301 - Managerial Communications
- • Theol Scrip/Hist or Christ Sys Elective (3)
- BUAD 301 - The Business Profession III

Total (18)

Second Semester

- FINC 300 - Business Finance
- • Science Elective (3)
- ACCT 301 - Intermediate Financial Accounting II
- ACCT 321 - Cost Accounting
- MGMT 302 - Quality & Product in Operations
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- • Theology Ethics or Rel/Cult Elective (3)
- BLAW 300 - Legal Environment **
- ACCT 421 - Auditing
- ACCT 431 - Advanced Financial Accounting

- • Science Elective (3)
- MGMT 600 - Strategy and Organizations
- BUAD 401 - The Business Profession IV

Total (18)

Second Semester

- • Philosophy Elective (3)
- ACCT 495 - Analysis of Accounting Systems
- • Literature Elective (3)
- • Fine Arts Elective (3)
- • Business Elective (3)
- ECON 600 - Managerial Economics
- BUAD 402 - The Business Profession IV

Total (18)

Fifth Year

First Semester

- BUAD 600 - Business Law & Ethics
- ACCT 600 - Financial Reporting & Analysis or
- ACCT 601 - Strategic Measure, Eval & Cntrl
- MKTG 600 - Marketing Strategy
- INFO 600 - Information Technology Management
- • Elective *** (3)

Total (15)

Second Semester

- • MBA Capstone (choose 1) (3)
- MGMT 601 - Operational Analysis
- • MBA Electives (6)
- FINC 600 - Managerial Finance

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
- * SHRM 200 fulfills the Cultural Diversity Elective.
- ** E/RS Focus Elective requirement may be used to satisfy another element of the core or the major requirements.
- *** Three credit hours must be accounting elective if fewer than 30 accounting undergraduate hours are taken.

Freshman Year	31 hours
Sophomore Year	30 hours
Junior Year	33 hours
Senior Year	36 hours
Fifth Year	30 hours
Total Hours	160 credit hours are typical.

Economics

Bachelor of Science in Business Administration

Economics, B.S.B.A.

The Department of Economics offers the Bachelor of Science in Business Administration degree in Economics.

The Department also offers a Bachelor of Arts in Economics degree through the College of Arts & Sciences. The Bachelor of Science in Business Administration in Economics provides the student with an understanding of economic issues pertaining to individual firms, industries, and the overall economy. The study of economics emphasizes both analytic reasoning and a thorough knowledge of economic institutions. Economics majors, supported by the knowledge of functional tools acquired in the business core, analyze such topics as inflation, unemployment, international trade, financial markets, and governmental economic activity. The program has proven useful to people who have moved into positions in many of the functional areas of business. It is also excellent training for graduate study in business, in law, and in economics itself.

Requirements for the Economics Major

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business core requirements:

42 hours includes

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

18 total credit hours required, as follows:

18 hours of economics courses above the business core:

- ECON 305 - Microeconomic Analysis
- ECON 306 - Macroeconomic Analysis
- • 12 hours of economics electives, at least 6 hours of which must be at the 400-level.

Electives:

- 3 hours of business electives.
- 3 hours of general electives.

Note(s):

- A 2.000 cumulative average must be attained in the economics courses.
- Each student must orally present a paper written in a 400-level economics course to a forum established by the department.

B.S.B.A. Economics

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- • History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- • History II Elective (3)

- PHIL 100 - Ethics as Introduction to Philosophy
- Foreign Language Elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ECON 200 - Microeconomic Principles
- ACCT 200 - Introductory Financial Accounting
- INFO 200 - Managing Information Technology
- Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ECON 201 - Macroeconomic Principles
- ACCT 201 - Introductory Managerial Accounting
- PHIL 290 - Theory of Knowledge
- MGMT 300 - Managerial Behavior
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- Theo Scrip/Hist or Christ Sys Elective (3)
- Science Elective (3)
- ECON 305 - Microeconomic Analysis

- MGMT 301 - Managerial Communications
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- FINC 300 - Business Finance
- BLAW 300 - Legal Environment
- • Science Elective (3)
- ECON 306 - Macroeconomic Analysis
- MGMT 302 - Quality & Product in Operations
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- • Theology Ethics or Rel/Cult Elective (3)
- • Science Elective (3)
- • Economics Electives (6)
- • Business Elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- • Philosophy Elective (3)
- • Fine Arts Elective (3)
- • Economics Electives (400 level) (6)
- • General Elective (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
 - * [SHRM 200](#) fulfills the Cultural Diversity Elective.
 - ** E/RS Focus Elective requirement may be used to satisfy another element of the core or the major requirements.
- | | |
|----------------|---|
| Freshman Year | 31 hours |
| Sophomore Year | 30 hours |
| Junior Year | 32 hours |
| Senior Year | 30 hours |
| Total Hours | 123 credit hours are typical, with 120 as the absolute minimum. |

Minors

Strategic Human Resource Management Minor

The Department of Economics and Human Resources offers the minor in Strategic Human Resources Management.

This minor is available to any undergraduate student. In particular, it is designed to give business and non-business majors skills that will enhance their attractiveness to employers upon graduation. Since all managers are people managers, the Strategic HRM minor benefits all future managers. It also provides an opportunity to pursue a business specialty in HR. Strategic HRM concerns the total activity of an organization, business, or firm as these activities relate to the work force. Such activities include employment law, recruiting and selection, training and development, performance management, compensation and benefits, workplace diversity, and labor relations.

Outside of the classroom, the HR co-op allows students to expand their knowledge by working one-on-one with HR professionals in the field, earning income and academic credit at the same time.

Requirements for the Strategic Human Resource Management Minor

15 total credit hours are required, as follows:

6 hours specifically required:

- SHRM 301 - Strategic Human Resource Manag
- SHRM 490 - Integ Capstone In Strat HR Mgt

6 hours from 2 courses in this group:

- SHRM 309 - Change Management
- SHRM 340 (3)
- SHRM 345 - Compensation Theory & Practice
- SHRM 401 (3)

3 hours from electives:

- SHRM 302 - Labor Relations
- SHRM 303 - Co-op Education/Human Resource
- SHRM 309 - Change Management
- SHRM 313 - Human Resources Law
- SHRM 325 - International Human Resources
- SHRM 345 - Compensation Theory & Practice
- SHRM 402 - Staffing
- SHRM 403 - Co-Op Education/Human Resources
- SHRM 490 - Integ Capstone In Strat HR Mgt
- • Or as approved by director.

Note(s):

- A 2.000 cumulative average must be attained in the courses of the minor.

Finance

Bachelor of Science in Business Administration

Finance, B.S.B.A.

The Department of Finance offers the Bachelor of Science in Business Administration in Finance.

This degree program develops an appreciation of financial management and financial operation. Everyone majoring in Finance must take courses designed to acquaint him or her with the various financial records of the firm, the character and appraisal of corporate securities, and the financial techniques applicable to the various phases of the discipline. In addition, the student may choose elective subjects.

Requirements for the Finance Major

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business Core Requirements:

42 hours includes

- ECON 200 - Microeconomic Principles

- ECON 201 - Macroeconomic Principles

Major Requirements:

18 total credit hours required, as follows:

12 hours of required finance courses:

- FINC 365 - Investments
- FINC 401 - Financial Management
- FINC 485 - Computer Applications in Finance
- FINC 495 - Cases & Problems in Finance or
- FINC 492 - Portfolio Management II

3 hours from an accounting elective:

- ACCT 301 - Intermediate Financial Accounting II or
- FINC 350 - Financial Statement Analysis

3 hours from a finance major elective:

Select from

- FINC 301-499 (Refer to [Course Descriptions](#) .)

Electives:

- 3 hours of business electives.
- 3 hours of general electives.

Note(s):

- A 2.000 average must be attained in these courses of the major.

B.S.B.A. Finance

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric

- • Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- • History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • Foreign Language Elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ACCT 200 - Introductory Financial Accounting
- ECON 200 - Microeconomic Principles
- INFO 200 - Managing Information Technology
- • Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ACCT 201 - Introductory Managerial Accounting
- ECON 201 - Macroeconomic Principles
- MGMT 300 - Managerial Behavior
- FINC 300 - Business Finance
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- FINC 350 - Financial Statement Analysis or
- ACCT 301 - Intermediate Financial Accounting II
- • Science Elective (3)
- FINC 365 - Investments
- MGMT 301 - Managerial Communications
- • Theo Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- FINC 485 - Computer Applications in Finance
- • Science Elective (3)
- BLAW 300 - Legal Environment **
- MGMT 302 - Quality & Product in Operations
- PHIL 290 - Theory of Knowledge
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- ECON 300 - International Trade & Business Environment
- FINC 401 - Financial Management
- • Business Elective (3)
- • Science Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- FINC 495 - Cases & Problems in Finance
- • General Elective (3)
- • Finance Elective (3)
- • Fine Arts Elective (3)
- • Philosophy Elective (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
- * [SHRM 200](#) fulfills the Cultural Diversity Elective.
- ** [BLAW 300](#) fulfills the E/RS Focus Elective requirement of the Core, also.

Freshman Year	31 hours
Sophomore Year	30 hours
Junior Year	32 hours
Senior Year	30 hours
Total Hours	123 credit hours are typical, with 120 as the absolute minimum.

Management, Entrepreneurship, and Human Resources

Bachelor of Science in Business Administration

Entrepreneurial Studies, B.S.B.A.

The Department of Management and Entrepreneurship offers the Bachelor of Science in Business Administration in Entrepreneurial Studies.

Xavier's undergraduate major in Entrepreneurial Studies is designed to help prepare students to seek opportunities, act resourcefully, think creatively, and lead ethically to make a difference in their organizations and the world, our majors will learn to:

- Provide progressive leadership for existing family businesses
- Start their own businesses, and/or
- Pursue careers in creating and managing innovation and leading entrepreneurship in non-profits and small to large organizations in this global market economy.

The strength of our free enterprise economy depends heavily on an entrepreneurial mindset in those individuals who identify new product or service opportunities, develop workable plans for capitalizing on those opportunities, and assume personal risk and take the initiative in creating and then managing the new or expanded enterprises which those plans make possible.

Requirements for a Major in Entrepreneurial Studies

Since successful entrepreneurs and those with an entrepreneurial mindset need to have an integrative and interdisciplinary set of skills, the Entrepreneurial Studies major is interdisciplinary in nature, providing advanced course work in all business functions, specialized course work in creativity and innovation, business planning and a field experience, and a required entrepreneurial work internship.

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business Core Requirements:

42 hours includes

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

18 total credit hours required, as follows:

12 hours specifically required:

- ENTR 305 - Creativity & Innovation
- ENTR 311 - New Venture Planning
- ENTR 303 - Co-Op Education/Entrepreneurial Studies: JR or
- ENTR 403 - Co-Op Education/Entrepreneurial Studies: SR
- MGMT 495 - Strategic Management

3 hours as Marketing elective:

- MKTG 302 - Marketing Research
- MKTG 345 - Integrated Marketing Communications
- MKTG 361 - Professional Selling

3 hours as a major elective:

- Select from a list of approved courses in FINC, INFO, MGMT, MKTG or SHRM.

Electives:

- 3 hours of business electives.
- 3 hours of general electives.

Note(s):

- All students declaring a major in Entrepreneurial Studies must consult the Director of the Xavier Entrepreneurial Center at the time they declare.
- Please note that double majors (students majoring in another business discipline beside ENTR) should take electives only with the approval of the department since double-counting of courses is not permitted.

B.S.B.A. Entrepreneurial Studies

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- • History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- • History II Elective (3)
- MKTG 300 - Principles of Marketing
- • Foreign Language Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ACCT 200 - Introductory Financial Accounting
- ECON 200 - Microeconomic Principles
- INFO 200 - Managing Information Technology

- • Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ACCT 201 - Introductory Managerial Accounting
- ECON 201 - Macroeconomic Principles
- MGMT 300 - Managerial Behavior
- PHIL 290 - Theory of Knowledge
- BUAD 202 - The Business Profession II

Total (18)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • Theo Scrip/Hist or Christ Sys Elective (3)
- • Science Elective (3)
- ENTR 305 - Creativity & Innovation
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- MGMT 301 - Managerial Communications
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- FINC 300 - Business Finance
- • Science Elective (3)
- ENTR 303 - Co-Op Education/Entrepreneurial Studies: JR
- BLAW 300 - Legal Environment **
- MGMT 302 - Quality & Product in Operations
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- • Theology Ethics or Rel/Cult Elective (3)
- • Science Elective (3)
- • Marketing Elective (for Major) (3)
- ENTR 311 - New Venture Planning
- • Business Elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- • Philosophy Elective (3)
- MGMT 495 - Strategic Management
- • Fine Arts Elective (3)
- • General Elective (3)
- • Major Elective (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
- * [SHRM 200](#) fulfills the Cultural Diversity Elective.
- ** [BLAW 300](#) fulfills the E/RS Focus Elective requirement of the Core, also.

Freshman Year	31 hours
Sophomore Year	33 hours
Junior Year	35 hours
Senior Year	30 hours
Total Hours	123 credit hours are typical, with 120 as the absolute minimum.

International Business, B.S.B.A.

The Dept of Management and Entrepreneurship offers the degree of Bachelor of Science in Business Administration in International Business. The world is a global marketplace creating great opportunities for careers in business, trade, government and non-government organizations (NGOs) for people with good business and technical skills, as well as cross-cultural and foreign language abilities.

- Living and working in the U.S. for a company that sends you abroad for business travel, or
- Working for a company that sends you abroad to work for a number of years at a time.

The International Business major is an interdisciplinary program that provides you with skills and knowledge to pursue a long-term career in international business. Courses and faculty come from a number of disciplines across the Williams College of Business. Because companies often provide foreign assignments to employees who are trained in their domestic operations, we recommend considering a second major such as marketing, finance, information systems, or accounting; if you can't do that, take a few targeted courses in one discipline.

Requirements for the Major in International Business

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Foreign/Second Language:

- Through the 202 course level (the Intermediate level).

Business core requirements:

42 hours includes

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

21 total credit hours required, as follows:

12 hours of Global Business Skills:

- MKTG 320 - International Marketing
- MGMT 325 - International Management
- FINC 476 - International Finance

and one of the following:

- SHRM 325 - International Human Resources
- ECON 450 - International Economics
- ECON 341 - Economy of Developing Countries
- BUAD 303 - Co-op Education/Intl Bus:JR or
- BUAD 403 - Co-op Education/Intl Bus:SR

3 hours of International Business Capstone:

- BUAD 495

6 hours of Global Cultural Knowledge:

- A history course — not used to satisfy university core requirements — that addresses the history of a country or region of the world except the U.S.
- A modern language course at the 300-400 level in the language used to fulfill the modern language skill requirement of the major.
- A course in a modern language that is not being used to fulfill the modern language skill requirement in the major.

Electives:

- 3 hours of business electives.

Note(s):

- A 2.000 cumulative average must be attained in the economics courses.

International Experience

Students engage in a summer-long or semester-long study-abroad or work abroad in a country other than one's native country. (Two additional courses of foreign language generally at the 300-level or above, may be substituted for the international experience. To pursue this option, see the international business advisor; these cannot also be counted toward the International Cultural Elective.)

To help plan your courses, study- or work-abroad experience, and future career, be sure to meet with one of the international business advisors.

International Business Major

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- History I Elective (3)
- ENGL 101 - English Composition
- Foreign Language I (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- • History II Elective (3)
- MKTG 300 - Principles of Marketing
- • Foreign Language II (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ECON 200 - Microeconomic Principles
- ACCT 200 - Introductory Financial Accounting
- INFO 200 - Managing Information Technology
- • Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S
- ECON 201 - Macroeconomic Principles
- ACCT 201 - Introductory Managerial Accounting
- MGMT 300 - Managerial Behavior
- PHIL 290 - Theory of Knowledge
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • Science Elective I (3)
- MKTG 320 - International Marketing
- MGMT 301 - Managerial Communications
- • Theo Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- MGMT 325 - International Management
- • Science Elective II (3)
- BLAW 300 - Legal Environment **
- MGMT 302 - Quality & Product in Operations
- FINC 300 - Business Finance
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- • Major Elective (3)
- • Business Elective (3)
- • Cultural Elective I (for major) (3)
- • Theology Ethics or Rel/Cult Elective (3)
- • Science Elective III (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- FINC 476 - International Finance
- • BUAD 495 (3)
- • Cultural Elective II (for major) (3)
- • Philosophy Elective (3)
- • Fine Arts Elective (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- * SHRM 200 fulfills the Cultural Diversity Elective.
- ** BLAW 300 fulfills the E/RS Focus Elective requirement of the Core, also.

Freshman Year	31
Sophomore Year	30
Junior Year	32
Senior Year	30
Total Hours	123 credit hours are typical, with 120 as the absolute minimum.

Management, B.S.B.A.

The Department of Management and Entrepreneurship offers the Bachelor of Science in Business Administration in Management.

The department offers a complete package of an integrated skill set for future managers and leaders to improve organizations and society. Our curricular objectives include: rapid, continual immersion into business practice; engaging rigorous and applied educational experience; transition into fulfilling careers; and lifelong learning and leadership. Our majors:

- Learn the language of Management and Entrepreneurship used in the business world.
- Are given an understanding for the significance of variation in human behavior in organizations.
- Develop self-awareness, along with capabilities in problem solving, decision making, creativity, and communication.
- Receive preparation for a variety of roles, including leader, entrepreneur, project or functional manager, and supply chain manager.
- Are encouraged to approach business problems in an ethical, socially responsible manner.

This degree is designed for individuals who have career aspirations as management trainees, personnel trainees, in business education, who plan to attend law school, or graduate studies in business. Students interested in teaching certification in business should consult with the chair of the Education Department for certification requirements.

Requirements for a Major in Management

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business core requirements:

42 hours includes

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

18 total credit hours required, as follows:

9 hours in specific management courses:

- MGMT 309 - Change Management
- MGMT 385 - Project Management
- MGMT 495 - Strategic Management

9 hours of major electives:

Select from

- • MGMT 310-499 (Refer to [Course Descriptions](#) .)
- ENTR 311 - New Venture Planning
- • ENTR 341
- MGMT 305 - Creativity & Innovation or
- ENTR 305 - Creativity & Innovation

Electives:

3 hours of business electives, with suggested courses of:

- • SHRM 321
- • SHRM 495
- MGMT 303 - Co-Op Education/Management: Jr or
- MGMT 403 - Co-Op Education/Management: Sr (Internship)

3 hours of general electives.

Note(s):

- A 2.000 cumulative average must be attained in the courses of the major.

B.S.B.A. Management

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Foreign Language Elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ACCT 200 - Introductory Financial Accounting
- ECON 200 - Microeconomic Principles
- INFO 200 - Managing Information Technology
- Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ACCT 201 - Introductory Managerial Accounting
- ECON 201 - Macroeconomic Principles
- MGMT 300 - Managerial Behavior
- FINC 300 - Business Finance
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • Science Elective (3)
- MGMT 309 - Change Management
- MGMT 301 - Managerial Communications
- • Theo Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- MGMT 385 - Project Management
- • Science Elective (3)
- BLAW 300 - Legal Environment **
- MGMT 302 - Quality & Product in Operations
- PHIL 290 - Theory of Knowledge
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- • Management Elective (3)
- • Management Elective (3)
- • Business Elective (3)
- • Science Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- MGMT 495 - Strategic Management
- • General Elective (3)
- • Management Elective (3)
- • Fine Arts Elective (3)
- • Philosophy Elective (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
- * [SHRM 200](#) fulfills the Cultural Diversity Elective.
- ** [BLAW 300](#) fulfills the E/RS Focus Elective requirement of the Core, also.

Freshman Year	31 hours
Sophomore Year	30 hours
Junior Year	32 hours
Senior Year	30 hours
Total Hours	123 credit hours are typical, with 120 as the absolute minimum.

Strategic Human Resource Management, B.S.B.A.

The Department of Management and Entrepreneurship offers the degree of Bachelor of Science in Business Administration in Strategic Human Resource Management.

In today's increasingly complex business world, there is a need for Human Resources Practitioners or Functional Specialists with well-rounded professional training to be leaders in the ethical and strategically effective employment of people in organizations. Although the primary goal of the program is to provide the professional training necessary for graduates to obtain human resources jobs, the major should be especially appealing to students with broad interests. Reflecting this broad approach, the field of human resources is studied from a strategic approach encompassing a wide range of business areas as well as legal, economic, and political perspectives. The core program provides students the opportunity to take advanced courses that are both theoretical and practical in nature from all the

human resources functional areas, including labor law, staffing, compensation, training and development, labor relations, and international human resources; additionally, students take the strategic HRM capstone course that further integrates the material learned in an applied setting.

Outside of the classroom, the HR co-op allows students to expand their knowledge by working one-on-one with HR professionals in the field, earning income and academic credit at the same time.

Requirements for the Strategic Human Resource Management Major

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business Core Requirements:

- 42 hours includes
- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

21 total credit hours required, as follows:

9 hours required of strategic human resource management courses and the management capstone:

- SHRM 301 - Strategic Human Resource Manag
- SHRM 490 - Integ Capstone In Strat HR Mgt
- MGMT 495 - Strategic Management

6 hours from 2 courses in this group:

- SHRM 309 - Change Management
- • SHRM 340 (3)
- SHRM 345 - Compensation Theory & Practice
- • SHRM 401 (3)

6 hours from major electives:

- Select from SHRM 302-490 (Refer to [Course Descriptions](#)), including Internship.

Electives:

- 3 hours of business electives.

Note(s):

- A 2.000 cumulative average must be attained in these major courses.

B.S.B.A. Strategic Human Resource Management

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- History I elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- History II elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Foreign Language elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ECON 200 - Microeconomic Principles
- ACCT 200 - Introductory Financial Accounting
- INFO 200 - Managing Information Technology
- • Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ECON 201 - Macroeconomic Principles
- ACCT 201 - Introductory Managerial Accounting
- PHIL 290 - Theory of Knowledge
- MGMT 300 - Managerial Behavior
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • Theo Scrip/Hist or Christ Sys elective (3)
- • Science elective (3)
- SHRM 301 - Strategic Human Resource Manag
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- MGMT 301 - Managerial Communications
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- FINC 300 - Business Finance
- BLAW 300 - Legal Environment **
- • Science elective (3)
- • SHRM elective (3)
- MGMT 302 - Quality & Product in Operations
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- • Theology Ethics or Rel/Cult elective (3)
- • Science elective (3)
- • SHRM electives (6)
- • Business elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- • Philosophy elective (3)
- • SHRM elective (3)
- SHRM 490 - Integ Capstone In Strat HR Mgt
- • Fine Arts elective (3)
- MGMT 495 - Strategic Management
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
- * [SHRM 200](#) fulfills the Cultural Diversity Elective.
- ** [BLAW 300](#) fulfills the E/RS Focus Elective requirement of the Core, also.

Freshman Year	31 hours
Sophomore Year	30 hours
Junior Year	32 hours
Senior Year	30 hours
Total Hours	123 credit hours are typical, with 120 as the absolute minimum.

Minors

Entrepreneurship Minor

The Department of Management and Entrepreneurship offers the minor in Entrepreneurship.

This minor is available to business and non-business undergraduate students.

18 total credit hours are required, as follows:

9 hours of required entrepreneurial studies courses:

- ENTR 305 - Creativity & Innovation
- ENTR 311 - New Venture Planning
- MGMT 495 - Strategic Management

6 hours of required business courses:

- ACCT 200 - Introductory Financial Accounting
- MKTG 300 - Principles of Marketing (included in the Business Core for WCB students).

3 hours of business:

- BLAW 300 - Legal Environment
- SHRM 200 - Human Resources In a Diverse S or
- ECON 200 - Microeconomic Principles (included in the Business Core for WCB students).

Note(s):

- A 2.000 cumulative average must be attained in the courses of the minor.
- At least half of these credit hours must be taken at Xavier.

International Business Minor

The Department of Management and Entrepreneurship offers the minor in International Business.

This minor is available to undergraduate business students, since all the prerequisites must be met. This includes the entire Business Core, including [ECON 200](#) and [ECON 201](#)

15 total credit hours are required, as follows:

6 hours from two required courses:

- MKTG 320 - International Marketing
- FINC 476 - International Finance

6 additional hours of upper division business courses:

- ECON 341 - Economy of Developing Countries
- ECON 450 - International Economics
- MGMT 325 - International Management
- SHRM 325 - International Human Resources

3 hours of approved electives, including:

- • COMM 224 (3)
- FREN 315 - Business French I
- GERM 315 - Business German
- SPAN 306 - Business Spanish
- • Or courses from HIST & POLI.

Note(s):

- A 2.000 cumulative average must be attained in the courses of the minor.
- At least half of these credit hours must be taken at Xavier.

Management Information Systems

Bachelor of Science in Business Administration

Information Systems, B.S.B.A.

The Department of Management Information Systems offers the Bachelor of Science in Business Administration degree in Information Systems.

The objectives of the Information Systems program are to facilitate good management by:

- Providing specialized professional training in information systems principles and techniques.
- Stimulating the application of sound information systems to the wide range of business activities.
- Aiding in the development of the student's intellect, communication skills, and analytic ability to prepare for the dynamic field of computer-information systems.

This degree is designed for individuals who aspire to a career as an analyst, or information systems manager or programmer. The major is conducive to a double major or as a minor to another major in the University since technology is critical to any profit or non-profit business.

Requirements for the Information Systems Major

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business Core Requirements:

42 hours includes

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

21 total credit hours required, as follows:

15 hours of information systems courses:

- INFO 360 - Introduction to Application Development
- INFO 357 - Telecommunications & Networking
- INFO 358 - Data Modeling and Management
- INFO 450 - Systems Analysis and Design
- INFO 495 - System Development Project

3 hours:

- INFO 362 - Programming for Modern Business Application
- INFO 368 - Introduction to Enterprise Systems

3 hours of major elective:

Select from

- INFO 304-499 (excluding INFO 403) (Refer to [Course Descriptions](#) .)

Electives:

3 hours of business electives:

Preferably an Internship via

- ENTR 303 - Co-Op Education/Entrepreneurial Studies: JR or
- ENTR 403 - Co-Op Education/Entrepreneurial Studies: SR

Note(s):

- A 2.000 average must be attained in the information systems courses.

B.S.B.A. Information Systems

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- Foreign Language Elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ACCT 200 - Introductory Financial Accounting
- ECON 200 - Microeconomic Principles
- INFO 200 - Managing Information Technology
- INFO 360 - Introduction to Application Development
- • Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (18)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ACCT 201 - Introductory Managerial Accounting
- ECON 201 - Macroeconomic Principles
- MGMT 300 - Managerial Behavior
- INFO 358 - Data Modeling and Management
- MGMT 301 - Managerial Communications
- BUAD 202 - The Business Profession II

Total (17)

Junior Year

First Semester

- INFO 362 - Programming for Modern Business Application or
- INFO 368 - Introduction to Enterprise Systems
- • Science Elective (3)
- • Business Elective or Co-op (3)
- • Theo Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 301 - The Business Profession III

Total (15)

Second Semester

- INFO 357 - Telecommunications & Networking

- • Science Elective (3)
- BLAW 300 - Legal Environment **
- MGMT 302 - Quality & Product in Operations
- PHIL 290 - Theory of Knowledge
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- ECON 300 - International Trade & Business Environment
- INFO 450 - Systems Analysis and Design ***
- • INFO Elective (3)
- • Science Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- INFO 495 - System Development Project
- FINC 300 - Business Finance
- • Philosophy Elective (3)
- • Fine Arts Elective (3)
- BUAD 402 - The Business Profession IV

Total (12)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
 - * [SHRM 200](#) fulfills the Cultural Diversity Elective.
 - ** [BLAW 300](#) fulfills the E/RS Focus Elective requirement of the Core, also.
 - *** [INFO 450](#) and [INFO 495](#) must be taken in consecutive semesters during the senior year.
- | | |
|----------------|---|
| Freshman Year | 31 hours |
| Sophomore Year | 35 hours |
| Junior Year | 30 hours |
| Senior Year | 27 hours |
| Total Hours | 123 credit hours are typical, with 120 as the absolute minimum. |

Minors

Advanced Technology Minor

The Department of Management Information Systems offers the minor in Advanced Technology. This minor is available to business and non-business undergraduate students.

18 total credit hours are required, as follows:

15 hours from specific required courses:

- CSCI 170 - Computer Science I
- INFO 200 - Managing Information Technology
- INFO 250 (3)
- INFO 362 - Programming for Modern Business Application
- INFO 368 - Introduction to Enterprise Systems

3 hours from elective courses:

- Select from upper division courses in INFO and CSCI.

Note(s):

- A 2.000 cumulative average must be attained in these courses.
- At least half of these credit hours must be taken at Xavier.

Information Technology (IT) Minor

The Department of Management Information Systems offers the minor in Information Technology.

This minor is available to business and non-business undergraduate students.

15 total credit hours are required, as follows:

6 hours from two required courses:

- INFO 200 - Managing Information Technology
- INFO 358 - Data Modeling and Management

9 hours from elective courses:

- INFO 303 - Internship / Information Systems Junior

- INFO 328 - Database Management
- INFO 329 - Data Mining
- INFO 357 - Telecommunications & Networking
- INFO 358 - Data Modeling and Management
- INFO 359 - Hardware & Software Overview
- INFO 360 - Introduction to Application Development
- INFO 362 - Programming for Modern Business Application
- INFO 368 - Introduction to Enterprise Systems
- INFO 374 - Introduction to Web Site Development
- INFO 378 - E-Business
- INFO 403 - Internship / Information Systems Senior
- INFO 450 - Systems Analysis and Design
- INFO 490 - Contemporary Issues in Information Systems
- INFO 495 - System Development Project
- INFO 499 - Tutorial Course
- ACCT 495 - Analysis of Accounting Systems
- FINC 485 - Computer Applications in Finance
- MKTG 329 - Data Mining

Note(s):

- A 2.000 cumulative average must be attained in these courses.
- At least half of these credit hours must be taken at Xavier.

Marketing

Bachelor of Science in Business Administration

Marketing, B.S.B.A.

The Department of Marketing offers the degree of Bachelor of Science in Business Administration in Marketing.

Marketing is the activity, set of institutions and processes for creating, communicating, delivering and exchanging offerings that have value for customers, clients, partners and society at large. This is accomplished through marketing research, product planning and pricing, promotion, and distribution. The Marketing major develops an understanding of the concepts, functions and institutions of marketing, an appreciation of consumer orientation, and the ability to analyze marketing problems and formulate marketing policies.

This program is particularly relevant to the student planning a career in sales, advertising, consumer relations, merchandising, brand management, marketing management, marketing research, retailing, services, purchasing, business logistics, small business operations, executive management, consulting, business education, or work in certain government agencies.

Requirements for the Marketing Major

Undergraduate core curriculum requirements:

64 hours, including

Mathematics:

- MATH 150 - Elements of Calculus I
- STAT 210 - Statistics For Business I

Social science:

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Business core requirements

42 hours includes

- ECON 200 - Microeconomic Principles
- ECON 201 - Macroeconomic Principles

Major Requirements:

18 total credit hours required (in addition to [MKTG 300](#)), as follows:

6 hours of foundations specifically required:

- MKTG 302 - Marketing Research
- MKTG 495 - Marketing Planning & Analysis

12 hours of electives required:

- Select from MKTG 306-494 (except MKTG 403) (Refer to [Course Descriptions](#) .)
- INFO 329 - Data Mining can be used.

Electives:

- 3 hours of business electives (business co-op can be included here via [MKTG 303](#) or [MKTG 403](#)).
- 3 hours of general electives.

Note(s):

- A 2.000 cumulative average must be attained in these marketing courses.
- The student must earn a grade of "C" or better in [MKTG 300](#) to advance to upper level marketing courses.
- For [MKTG 495](#) , a students must complete 9 hours of Marketing course work (above 300) before taking MKTG 495. Also, [ACCT 200](#) and [FINC 300](#) must be completed.

B.S.B.A. Marketing

This block serves as a guideline for progress toward a degree. See your academic advisor.

Freshman Year

First Semester

- MATH 150 - Elements of Calculus I
- • History I Elective (3)
- ENGL 101 - English Composition or
- ENGL 115 - Rhetoric
- • Foreign Language Elective (3)
- THEO 111 - Theological Foundations
- BUAD 101 - The Business Profession I

Total (15)

Second Semester

- STAT 210 - Statistics For Business I
- • History II Elective (3)
- PHIL 100 - Ethics as Introduction to Philosophy
- • Foreign Language Elective (3)
- MKTG 300 - Principles of Marketing
- BUAD 102 - The Business Profession I
- INFO 120 - Introduction to Business Technology

Total (16)

Sophomore Year

First Semester

- STAT 211 - Statistics For Business II
- ACCT 200 - Introductory Financial Accounting
- ECON 200 - Microeconomic Principles
- INFO 200 - Managing Information Technology
- • Literature Elective (3)
- BUAD 201 - The Business Profession II

Total (15)

Second Semester

- SHRM 200 - Human Resources In a Diverse S *
- ACCT 201 - Introductory Managerial Accounting
- ECON 201 - Macroeconomic Principles
- MGMT 300 - Managerial Behavior
- PHIL 290 - Theory of Knowledge
- BUAD 202 - The Business Profession II

Total (15)

Junior Year

First Semester

- FINC 300 - Business Finance
- • Science Elective (3)
- • Marketing Elective (3)
- MGMT 301 - Managerial Communications
- • Theo Scrip/Hist or Christ Sys Elective (3)
- ENGL 205 - Literature & Moral Imagination
- CLAS 205 - Classical Literature & Moral Imagination or
- SPAN 205 - Hispanic Literature & Moral Imagination
- BUAD 301 - The Business Profession III

Total (17)

Second Semester

- MKTG 302 - Marketing Research
- • Science Elective (3)
- BLAW 300 - Legal Environment **
- MGMT 302 - Quality & Product in Operations
- • Marketing Elective (3)
- BUAD 302 - The Business Profession III

Total (15)

Senior Year

First Semester

- ECON 300 - International Trade & Business Environment
- • Marketing Elective (3)
- • Business Elective (3)
- • Science Elective (3)
- • Theology Ethics or Rel/Cult Elective (3)
- BUAD 401 - The Business Profession IV

Total (15)

Second Semester

- MKTG 495 - Marketing Planning & Analysis
- • General Elective (3)
- • Marketing Elective (3)
- • Fine Arts Elective (3)
- • Philosophy Elective (3)
- BUAD 402 - The Business Profession IV

Total (15)

Scheduling Notes:

- Consult the "[Undergraduate Core Curriculum](#)" requirements of the Catalog or website.
- * [SHRM 200](#) fulfills the Cultural Diversity Elective.
- ** [BLAW 300](#) fulfills the E/RS Focus Elective requirement of the Core, also.

Freshman Year	31 hours
Sophomore Year	30 hours
Junior Year	32 hours
Senior Year	30 hours
Total Hours	123 credit hours are typical, with 120 as the absolute minimum.

Course Descriptions

ACCT 200 - Introductory Financial Accounting

(3) **Credit Hours** A foundation course which provides an introduction to fundamental concepts and to financial statements. **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 201 - Introductory Managerial Accounting

(3) **Credit Hours** Identifying, measuring, analyzing, and interpreting accounting data that is used to support managerial decision-making. **Prerequisites:** ACCT 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 300 - Intermediate Financial Accounting I

(3) **Credit Hours** Study of financial accounting theory and principles applicable to the accumulation, analysis, measurement, reporting, and interpretation of selected economic events. The first of a two course sequence. **Prerequisites:** ACCT 200 Minimum Grade of C and ACCT 201 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 301 - Intermediate Financial Accounting II

(3) **Credit Hours** The second of a two course sequence focusing on the study of financial accounting theory and principles. **Prerequisites:** ACCT 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 303 - Internship / Accounting Junior

(3) **Credit Hours** An elective cooperative experience where students earn academic credit while performing approved accounting-related work experience. Student must have completed 55 credit hours and have a 2.750 GPA. Department approval required **Prerequisites:** MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 311 - Introduction to Taxation

(4) **Credit Hours** An introduction to the tax implications of business formation, income and expenses, and distributions for Sole Proprietorships, C-corporations, Partnerships and S-corporations. This course includes compliance, planning, tax research and ethical issues. **Prerequisites:** ACCT 200 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 312 - Volunteer Income Tax Assistance I

(3) **Credit Hours** A service learning course that includes additional study of federal and state income tax topics, marketing and administration of tax preparation services, and preparation of federal and state income tax returns for low income and elderly taxpayers. **Prerequisites:** ACCT 311 Minimum Grade of C **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 313 - Volunteer Income Tax Assistance II

(3) **Credit Hours** A service learning course in which individual income tax returns that are prepared through the VITA program will be reviewed, assembled, and delivered to taxpayers. Marketing and administration of the program are additional course requirements. All phases of the course enable the student to enhance his/her knowledge of taxation, administrative skills, and written and oral communication skills while providing a valuable service to low income taxpayers in the community. **Prerequisites:** ACCT 312 Minimum Grade of A **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 321 - Cost Accounting

(3) **Credit Hours** The study of the process of measuring, interpreting, and communicating information that assists managers in achieving organizational goals. **Prerequisites:** ACCT 200 Minimum Grade of C and ACCT 201 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 403 - Internship / Accounting Senior

(3) **Credit Hours** An elective cooperative experience where students earn academic credit while performing approved accounting-related work experience. Student must have completed 55 credit hours and have a 2.750 GPA **Prerequisites:** MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 421 - Auditing

(3) **Credit Hours** Through class participation, study, team assignments, and exposure to cases and practicing audit professionals, the student will experience an in-depth study of the principles and practices of auditing that will enable them to develop the skills necessary to enter the accounting profession with the appropriate knowledge to function in the auditing area. We will study the audit process from the perspectives of: standards, audit planning, ethics, and application of sound judgment in the decision-making process. **Prerequisites:** ACCT 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 431 - Advanced Financial Accounting

(3) **Credit Hours** Preparation of consolidated financial statements, accounting for foreign currency transactions, partnership accounting, and advanced financial reporting topics. **Prerequisites:** ACCT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 495 - Analysis of Accounting Systems

(3) **Credit Hours** The primary focus of this course is illustration of how technology enables key accounting activities. A business process approach is used to illustrate how information flows through an organization and its affect on information system integration and internal control. Students learn how to document, use, evaluate and analyze enterprise based systems. **Prerequisites:** ACCT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Accountancy*

ACCT 500 - Foundations of Financial Accounting

(2) **Credit Hours** A foundation course that focuses on the basic concepts, standards, and principles of financial accounting. **Restrictions:** Must be enrolled in Williams College of Business Graduate program. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 501 - Foundations of Managerial Acct

(2) **Credit Hours** This course provides an introduction to product and service costing and the use of accounting information to support management decision making, planning, and control. **Prerequisites:** ACCT 500 Minimum Grade of C **Restrictions:** Must be enrolled in Williams College of Business Graduate program. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 503 - Financial Reporting & Analysis

(3) **Credit Hours** This course provides an introduction to the concepts of the collection, processing, reporting and analysis of accounting data. Students will be able to read, comprehend and use published financial statements in a variety of decision-making contexts. (This course is only offered in the MBA on-site programs.) **Restrictions:** Must be enrolled in Williams College of Business Graduate program. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 600 - Financial Reporting & Analysis

(3) **Credit Hours** The study of corporate financial accounting, including financial statement presentation, disclosure, and analysis. **Prerequisites:** ACCT 500 Minimum Grade of C and ACCT 501 Minimum Grade of C and FINC 500 Minimum Grade of C **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 601 - Strategic Measure, Eval & Cntrl

(3) **Credit Hours** This course examines the use of accounting information to enhance value across a supply chain. In addition, the role of accounting information in support of the evaluation of business units and management is considered. **Prerequisites:** ACCT 500 Minimum Grade of C and ACCT 501 Minimum Grade of C and FINC 500 Minimum Grade of C **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 602 - Survey of Taxation

(3) **Credit Hours** An introductory course which includes an examination of the fundamental concepts of the federal income tax structure and how these concepts affect tax reporting entities such as C-corporations, partnerships, S-corporations, and individuals. Pre-requisite: ACCT 500 or equivalent. **Prerequisites:** ACCT

600 Minimum Grade of C and ACCT 601 Minimum Grade of C **Restrictions:** Must be enrolled in Williams College of Business Graduate level. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 603 - Managerial Accounting for Strategic Measurement & Control

(4) **Credit Hours** This course provides an introduction to product and service costing and the use of accounting information to enhance value across a supply chain. In addition, the role of accounting information in support of management decision making and the evaluation of business units are considered. (This course is only offered in the MBA on-site programs.) **Prerequisites:** ACCT 503 Minimum Grade of B **Restrictions:** Must be enrolled in Williams College of Business Graduate level. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 647 - Tax Research & Practice

(3) **Credit Hours** Tax research concerning regulations governing CPA's attorneys, statutes of limitations, rules of evidence, etc. Pre-requisite: ACCT 602 or equivalent **Prerequisites:** ACCT 600 Minimum Grade of C or ACCT 601 Minimum Grade of C or ACCT 901 Minimum Grade of C **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 648 - Taxation:Gifts,Estates,Trusts

(3) **Credit Hours** Tax laws of the Federal Gift Tax, Federal Death Tax, valuation of gifts, estates and trusts, family tax planning, and income planning of trusts and estates. Pre-requisite: ACCT 602 or equivalent **Prerequisites:** ACCT 600 Minimum Grade of C or ACCT 601 Minimum Grade of C or ACCT 901 Minimum Grade of C **Restrictions:** Must be enrolled in Williams College of Business Graduate level. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 655 - Advanced Managerial Accounting

(3) **Credit Hours** A study of Management planning and control systems and the decision making processes in different organizational structures. **Prerequisites:** ACCT 601 Minimum Grade of C or FINC 600 Minimum Grade of C **Restrictions:** Must be enrolled in Williams College of Business Graduate level. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 658 - Advanced Auditing

(3) **Credit Hours** An extension of the auditing course which focuses on the application of auditing techniques. The course will address methods and technologies used in conducting an audit. **Restrictions:** Must be enrolled in Williams College of Business Graduate MBA program. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 701 - Financial Accounting

(3) **Credit Hours** The focus is on the concepts of collection, analysis, processing, and reporting of accounting data. Students will be able to read, comprehend and use published financial statements in a variety of decision-making contexts. **Restrictions:** Must be enrolled in the WCB Executive MBA Program **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 703 - Managerial Accounting

(4) **Credit Hours** This course provides an introduction to product and service costing and the use of accounting information to enhance value across a supply chain. In addition, the role of accounting information in support of management decision making and the evaluation of business units is considered. **Restrictions:** Must be enrolled in the WCB Executive MBA Program **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 803 - Accounting Concepts & Analysis

(3) **Credit Hours** A foundation course which emphasizes the preparation, analysis, and interpretation of accounting statements. **Levels:** Graduate *Williams College of Business Accountancy*

ACCT 901 - Accounting Analysis for Management Decisions

(3) **Credit Hours** This course focuses on the development of accounting information to support planning, evaluation, and control. Applications to both routine and strategic decision making contexts are discussed. **Prerequisites:** ACCT 803 Minimum Grade of C and FINC 801 Minimum Grade of C **Restrictions:** Must be enrolled in the Williams College of Business Graduate level. **Levels:** Graduate *Williams College of Business Accountancy*

ARAB 101 - Elementary Arabic I

(3) **Credit Hours** An introduction to speaking, listening, reading, and writing the Arabic language at the elementary level. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

ARAB 102 - Elementary Arabic II

(3) **Credit Hours** Continuation of Arabic 101, further emphasizing the speaking, listening, reading, and writing of the Arabic language at the elementary level. **Prerequisites:** ARAB 101 **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

ARTS 100 - Seminar: Freshman Art Majors

(1) **Credit Hours** The role of art in human life and society is examined through the investigation of historical and contemporary artists' writings and work with an emphasis on the students' own creative initiative, artistic growth and commitment. Co-requisite: ARTS 101 **Co-requisites:** ARTS 101 **Restrictions:** ART Majors only **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 101 - Two-Dimensional Design

(3) **Credit Hours** Fundamental aspects of two-dimensional design: object rendering, nature rendering, studies in perspective, black/white composition principles, material studies and introduction to color theory. For Art majors and minors only. **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 102 - Drawing I

(3) **Credit Hours** This introductory studio course will focus on the interpretation of form based on observation from life using a variety of traditional material including graphite, charcoal and white colored pencil. This class aims to enable the student to understand how to translate three-dimensional form to two-dimensional form. The class will introduce visual measuring, methods for determining shape proportions and linear perspective and tonal strategies (additive and reductive) for composition, volume and narrative effect. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 103 - Painting I

(3) **Credit Hours** This studio course introduces the materials and approaches to oil painting and the interpretation of form based on observation from life. Students learn how to modulate color using a double primary color wheel system, approximate color they observe and learn to build paintings in a succession of layers. Oil paint materials and their physical properties are explained and demonstrated. Students compose and work from individual still-lives they compose. Assignments, both in and out of class, will apply 2D design, drawing and color theory to coursework. **Prerequisites:** ARTS 102 Minimum Grade of D **Restrictions:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 104 - Printmaking I

(3) **Credit Hours** An introduction to print media in one of the following areas: relief (i.e., collograph, woodcut, linoleum cut), lithography (stone and plate), intaglio, monotype, or screenprinting. Emphasis is on technical mastery alongside content development, edition printing, print suites, conceptual awareness, shop etiquette, and personal growth. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 105 - Three-Dimensional Design

(3) **Credit Hours** In this studio course, students will learn about the elements and principles of three dimensional design, which will serve as an introduction to the study of three dimensional art forms. Students will be introduced to the basic design elements of form, space, volume, mass, weight, planes and surfaces, line texture, light and color. The design concepts of proportion, scale, balance, movement, rhythm/repetition, emphasis/dominance will also be included. Students will gain a working knowledge of structural patterns of form, linear and planar analysis of form, analysis of implied form, and of manipulative devices applied to form. For Art majors and minors only. **Restrictions:** ART Majors/Minors only **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 106 - Fiber Arts I

(3) **Credit Hours** This course offers an introduction to a variety of fiber techniques during the Fall and Spring semesters. The emphasis is on woven structures while stressing design concepts and aesthetic values. Off-loom fiber experiences include, but are not limited to: exploration of natural materials, coiling, Batik, handmade papermaking, silk paper, feltmaking, painting/designing on textiles, stamping, stenciling, printing from nature, discharge dyeing and quilting. On-loom

fiber experiences include, but are not limited to: pattern weaving, tapestry, double weave techniques, painted warp and weft weaving, and dyeing. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 107 - Sculpture I

(3) **Credit Hours** This course will introduce students to the primary sculptural processes and materials, including basic wood and metal fabrication, modeling, mold making, and non-ferrous casting. Introduction to power tools and equipment as well as welding processes will be included. **Prerequisites:** ARTS 105
Course Attributes: Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 108 - Photography I

(3) **Credit Hours** Photography I is an introduction to the art of shooting traditional black and white photography and modern SLR digital color photography. This course is also an introduction to the fine art of digital imaging as a practical and artistic enhancement to basic photography. Photography will be discussed as both a fine art form and a commercial art medium. **Restrictions:** ART Majors/Minors only **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 109 - Ceramics I

(3) **Credit Hours** Combining both theory and practice, an in-depth investigation of ceramic art, emphasizing handbuilding techniques, with a brief introduction to the potter's wheel. Clay and glaze mixing, and various kiln firing procedures are also explored, along with a historical overview. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 111 - The Art Experience

(3) **Credit Hours** An especially designed course to fulfill the university core fine art requirement which gives insight into the visual art experience. For non-Art majors only. **Restrictions:** Not for ART majors. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 112 - The Aesthetic Experience

(3) **Credit Hours** An especially designed course to fulfill the university core fine art requirement which gives insight into the aesthetic experience. For non-Art majors only. **Restrictions:** Not for ART majors **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 113 - Studio Art in Rome

(3) **Credit Hours** This course will introduce students to the art and architectural wonders of Rome spanning ancient to modern times. The course will primarily involve drawing onsite whenever possible, but will also include studying works that are not available to be drawn onsite but are absolutely essential viewing for the student of art. Students who are not drawing will be writing reaction papers (kept in a journal) at each site visit using 'critiquing art' method outlined in Sayre's "Writing About Art." These students will also write a 7-9 page research paper on one of the artists they experienced while in Rome upon their return to the States which will be due the second week after the start of the Fall semester. All students are encouraged to keep a journal throughout the trip. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 116 - Designing on Silk

(0 to 3) **Credit Hours** This workshop offers artists, educators and interested individuals an opportunity to learn different methods of dyeing silk to create textile designs and art to wear. Surface design techniques will be utilized including, Batik, Low water immersion dyeing, Shibori, painting with dye and inks, stamping, quilting, and color removal. Students will be encouraged to explore individual interests to achieve a personal body of work. May be taken to fulfill Fine Arts requirement. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 119 - The Potter's Wheel

(3) **Credit Hours** An in-depth investigation of working on the potter's wheel (throwing), emphasizing form and function. Clay and glaze mixing, as well as kiln firing procedures will be explored. This course is for non-majors only. **Restrictions:** Not for ART majors. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 126 - Creative Vessels

(3) **Credit Hours** This workshop is for anyone interested in exploring their creative spirit. Through exploration and experimentation with mixed-media sculpture, students will gather natural materials, found objects and use commercially made materials to create three-dimensional vessels. A variety of construction techniques

will be taught, including weaving natural materials and reed, coiling, handmade silk paper, and wire. Surface design techniques, including drawing, painting, printing, dyeing, and color removal will be encouraged to further enhance a personal statement. May be taken to fulfill Fine Arts requirement. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 142 - Graphic Design I

(3) **Credit Hours** An introduction to visual communication graphics and design with an emphasis on printed matter. Illustrative graphics, symbol/logo design, typography, lettering, layout principles/grid systems, camera-ready art and an introduction to computer technology are highlights of the course. **Prerequisites:** ARTS 101 Minimum Grade of D **Restrictions:** ART Majors only **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 152 - Illustration I

(3) **Credit Hours** This course offers an introduction to varied media, techniques and modes of illustration. Students work on a variety of projects including magazine and story illustration offering conceptual and technical challenges in media such as graphite, ink, colored pencil, pastel and acrylic or gouache paint. Emphasis is on manual techniques. **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 202 - Drawing II

(3) **Credit Hours** An extensive drawing course that investigates all major bones and superficial muscles to provide a base of anatomical understanding representing the human body. The emphasis is on joint movement, proportions and planar description of form. Areas of the body are divided into 3D mass conceptions, bone, muscle and joint descriptions. Students learn how inner anatomy affects superficial form and apply their understanding in accurately developed drawings from the nude model. **Prerequisites:** ARTS 102 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 203 - Painting II

(3) **Credit Hours** This course builds on Painting I and introduces how to build wooden stretchers and other supports, how to make grounds and painting mediums base on traditional practices and recipes. Painting II encourages conceptual development and expects the student to begin defining areas of thematic interest utilizing the human form while strengthening technical facility. Material experimentation using egg tempera is also introduced. **Prerequisites:** ARTS 103 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 204 - Printmaking II

(3) **Credit Hours** The continuing investigation of an area begun in ARTS 104 with the potential to explore new print media. Students will achieve further technical experience (multi-color printing) while increasing their range of content, scale, and productivity. Student studio maintenance and materials preparation are stressed. **Prerequisites:** ARTS 104 Minimum Grade of D **Restrictions:** ART majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 205 - Figure Modeling

(3) **Credit Hours** Modeling in clay from the nude model. Developing observational skills, eye-hand coordination in modeling a complex three dimensional form. Strong life drawing component desirable. Study of the human body and anatomy. Mold making and casting in non-ferrous materials may be done with selected projects. **Prerequisites:** ARTS 107 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 206 - Fiber Arts II

(3) **Credit Hours** Students completing one introductory semester may register for this class to further explore fiber techniques. A student who has completed the off-loom semester may register for the on-loom fiber experience. A student who has completed the on-loom semester may register for the off-loom fiber experience. **Prerequisites:** ARTS 106 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 207 - Sculpture II

(3) **Credit Hours** This course is comprised of advanced wood and metal fabrication, and casting processes. Power tools and equipment will be used in metal fabrication and construction, additive and subtractive wood processes, and various casting techniques. **Prerequisites:** ARTS 107 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 208 - Photography II

(3) **Credit Hours** Photography II explores the intermediate techniques of exposure, development, and printing of small format black-and-white film print materials, with special emphasis on tonal control through the creative application of the Zone System. Emphasis is placed on aspects of design, composition,

perception, and content in black-and-white photographs. Some intermediate alternative digital techniques and beginning aspects of studio lighting will be covered. **Prerequisites:** ARTS 108 **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 209 - Ceramics II

(3) **Credit Hours** A thorough investigation of the potter's wheel (throwing) as a clay forming process. Issues of form and function and their interrelationship are explored. Various kiln firing methods are included. **Prerequisites:** ARTS 109 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 213 - Incarnating Totem & Taboo

(3) **Credit Hours** A study which frames ethical questions concerning pragmatic issues in the making, collecting, curating, and viewing of visual art, and fulfilling the E/RS Focus elective. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective, Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 214 - Computer Programs for the Artist/Art Educator

(0 to 3) **Credit Hours** After instructor demonstration and/or lecture, students will show their understanding by creating a successful solution to a artistic problem. Students solutions will be critiqued in-class and graded numerically. Student note taking is a critical part to success in this course. Reading assignments will be interspersed. A final exam project (of the student's choice) will summarize course learning. Attendance is mandatory for all classes, for the full class period. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 215 - Web Design

(3) **Credit Hours** An introduction to researching, planning and producing websites for a range of clients. Students will use Photoshop, Flash and Dreamweaver to conceive, develop, layout, design and implement their website and related media. Students are expected to have a beginning proficiency in Adobe Photoshop. Although these computer applications will be used extensively, emphasis will be on the design and aesthetic aspects of web design. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 221 - Early & Middle Childhood Art

(3) **Credit Hours** A comprehensive introduction to art education at the elementary school level employing both theory and practice. The creative and mental stages of development are emphasized. Course not open to Freshmen. **Restrictions:** Not open to Freshmen. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 222 - Art in Early Childhood Education

(3) **Credit Hours** Art production techniques, art appreciation, history and aesthetics. Active emphasis on age appropriate (3-8) art activities as well as the student's own artistic development. **Restrictions:** Not open to ART majors. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 223 - Secondary School Art

(3) **Credit Hours** A thorough investigation of the instructional techniques, resources and philosophies necessary in teaching art at the secondary level. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 242 - Graphic Design II

(3) **Credit Hours** Solve visual communication problems while learning three electronic (computer) techniques (object oriented drawing, bitmapped painting, and electronic page assembly). **Prerequisites:** ARTS 142 Minimum Grade of D **Restrictions:** ART Majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 252 - Illustration II

(3) **Credit Hours** This course focuses on strengthening technical and conceptual skills, with the expectation that the student will identify area of interest and complete more focus in those areas going beyond the work completed in Illustration I. Student proposes, develops and executes bodies of work in consultation with instructor. **Prerequisites:** ARTS 152 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 270 - History of Art I

(3) **Credit Hours** A survey of art and architecture from its prehistoric beginnings through the Middle Ages. **Course Attributes:** Fine Arts-University Core, Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 271 - History of Art II

(3) **Credit Hours** A survey of western art and architecture from the Renaissance to the present. **Course Attributes:** Fine Arts-University Core, Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 272 - Art of the 20th Century

(3) **Credit Hours** A study of European and American art and architecture from about 1900 to the present. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 273 - History of American Art

(3) **Credit Hours** A study of art and architecture in America from the colonial period to the present with emphasis on significant styles originating in the 20th century. **Course Attributes:** Fine Arts-University Core, Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 274 - Women, Art & Society

(3) **Credit Hours** A historical survey of women artists from pre-history to the twentieth century. Socio-political, psychological, economic issues, and themes affecting women's participation in the visual arts are examined. A multi-cultural and multi-media perspective, giving full attention to the diversity of women's ways of creating art is utilized. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 275 - Sacred Art - Christian Perspective

(3) **Credit Hours** A specific study of Judeo-Christian imagery in the visual arts ranging from the earliest pre-Christian Roman catacomb art to contemporary Christian art. Special emphasis will be placed upon Christian adaptation of pagan and Jewish symbolism. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 280 - Topics in Contemporary Art

(3) **Credit Hours** A seminar course investigating the driving forces and trends in the art scene from the seventies to the present in Europe and North America. Special emphasis on criticism and postmodern issues. Counts as an art history requirement for art majors and minors. **Prerequisites:** ARTS 271 Minimum Grade of C. May be taken concurrently. **Restrictions:** ART Majors or Minors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 302 - Drawing III

(3) **Credit Hours** An extensive drawing course, which uses the human form as primary subject matter. from formal and technical points, Drawing III covers a variety of color media including pastel, watercolor and gouache as well as other media. Conceptually the course encourages traditional and recent approaches using the figure to raise questions of identity, man's relationship to one another, to nature, to technology and other topics associated with the human condition. **Prerequisites:** ARTS 102 Minimum Grade of D and ARTS 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 303 - Painting III

(3) **Credit Hours** Advanced studies in the medium of choice from ARTS 103 or ARTS 203. Student is expected to nurture an integrated personal vision at a level qualitatively beyond previous involvement in the field of painting. **Prerequisites:** ARTS 103 Minimum Grade of D and ARTS 203 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 304 - Printmaking III

(3) **Credit Hours** The continuing investigation of previous print media including any area not yet experienced. Students are expected to initiate individual direction for their work with particular emphasis on serially developing their ideas. Students are encouraged to utilize mixed print media as well as other media. Experimentation is stressed. **Prerequisites:** ARTS 104 Minimum Grade of D and ARTS 204 Minimum Grade of D **Restrictions:** ART Majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 306 - Fiber Arts III

(3) **Credit Hours** This course is a continuing exploration of structure and technique including two and three dimensional forms. The primary emphasis is on the development of a personal vision in fibers. Students will build on introductory fiber techniques and experiences, focusing on a particular fiber medium or a mixed-media approach to fibers. **Prerequisites:** ARTS 106 Minimum Grade of D and ARTS 206 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 307 - Sculpture III

(3) **Credit Hours** This course explores the visual and expressive qualities of assemblage, found objects, conceptual and process art. Projects will explore concepts and ideas within these forms. Students may choose diverse materials, mediums, and processes employed in their projects. **Prerequisites:** ARTS 207 Minimum Grade of D and ARTS 307 Minimum Grade of D **Restrictions:** ART majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 308 - Photography III

(3) **Credit Hours** Photography III explores aspects of photojournalism and commercial photography as a career. The course is split into two parts during the course of the semester. The first half of the semester offers the opportunity for the students to begin developing skills in the area of photojournalism through hands-on experience in completing both spot news and short- and long-term essay assignments. During the second half of the semester students will explore the use of artificial lighting to create photographic illustrations in a controlled environment. **Prerequisites:** ARTS 108 Minimum Grade of D and ARTS 208 Minimum Grade of D **Restrictions:** ART Majors only **Levels:** Undergraduate *College of Arts and Sciences Art*

ARTS 309 - Ceramics III

(3) **Credit Hours** After one semester of handbuilding (ARTS 109) and one semester of throwing on the potter's wheel (ARTS 209), students in ARTS 309 can choose which process they plan to investigate further. Emphasis is on the union of aesthetics and good craftsmanship. Involvement in all areas of studio operations is required. **Prerequisites:** ARTS 109 Minimum Grade of D and ARTS 209 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 342 - Graphic Design III

(3) **Credit Hours** Critically solve practical design problems while expanding electronic techniques emphasizing 1-, 2-, and 4-color production methods. Basic web page design and production are explored. **Prerequisites:** ARTS 142 Minimum Grade of D and ARTS 242 Minimum Grade of D **Restrictions:** ART Majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 402 - Drawing IV

(3) **Credit Hours** Thematic Series. Primary focus is on developing a body of work which challenges the artist's imagination, sustains a high level of ambition, and sets a new standard of excellence for the creator and others. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 403 - Painting IV

(3) **Credit Hours** Advanced studies in the same medium of choice as in ARTS 303 to establish a mastery of said medium. Student is expected to produce a thematic body of work. Pre-requisite: ARTS 103, ARTS 203, and ARTS 303. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 404 - Printmaking IV

(3) **Credit Hours** The continuing investigation of previous print media including any area not yet experienced. Advanced skills are emphasized in the student's print media of choice. Understanding and control of procedures of drawing, processing and printing continue to be stressed. Students originate and produce a series (suite) of prints expressive of a certain theme or idea. **Restrictions:** ART Majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 406 - Fiber Arts IV

(3) **Credit Hours** This course is an advanced study of fiber art techniques, encouraging the student's investigation and exploration of their personal artistic statement. The emphasis is on individual exploration and growth in fiber art, promoting creative thinking and self-evaluation. **Prerequisites:** ARTS 306 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 407 - Sculpture IV

(3) Credit Hours This course encourages exploration and research for a personal style and direction in sculpture. Projects will continue to include wood, metal and casting processes, allowing students to develop an individual body of work, expressing their own personalized vision. **Restrictions:** ART Majors/Minors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 408 - Photography IV

(3) Credit Hours Photography IV leads students through an exploration of the use of the photographic medium for personal expression. Students devise and produce a photographic project that expands on the techniques and processes mastered in previous courses. Many alternative and mixed media techniques will be covered. **Restrictions:** ART Majors/Minors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 409 - Ceramics IV

(3) Credit Hours A deeper investigation of either throwing or handbuilding, working on a larger scale, along with exploring various production techniques. Becoming responsible for all aspects of studio management is required. **Prerequisites:** ARTS 109 Minimum Grade of D and ARTS 209 Minimum Grade of D and ARTS 309 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 441 - Senior Seminar

(3) Credit Hours A study of the practical aspects and concerns of aspiring artists in the contemporary art scene, including its trends, patterns and venues. Provides graduating students with essential skills and knowledge to function as a practicing artist outside of the college environment. Art majors only, usually in senior year. **Restrictions:** ART Majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 442 - Graphic Design IV

(3) Credit Hours Elaborate design products (the annual report, the expanded corporate identity, web design) are conceived and executed using electronic techniques with emphasis on product as well as practical production. **Prerequisites:** ARTS 342 Minimum Grade of D **Restrictions:** ART Majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 490 - Senior Concentration

(3 to 6) Credit Hours An intense in-depth study of selected studio field. Students pursuing the art education or the history of art concentration may submit a written thesis. Specific faculty approval necessary. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 491 - Independent Study

(1 to 3) Credit Hours Problems related to department fields, although not specifically included in the catalog, may be requested by the student and elected with the approval of the instructor and permission of the chair. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 492 - Tutorial

(1 to 3) Credit Hours Special reading and study for advanced students. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 493 - Internship

(1 to 3) Credit Hours Practical experiences of art in the real world, for the purpose of developing the ability to function in the professional arena. Student must have completed a minimum two courses in the internship area **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 502 - Graduate Drawing

(3) Credit Hours Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Restrictions:** Graduate level only **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 503 - Graduate Painting

(3) Credit Hours Graduate courses are independently developed. Definition of direction and choice of media is determined by student and approved by professor. **Restrictions:** Graduate level only **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 504 - Graduate Printmaking

(3) **Credit Hours** Graduate courses are independently developed. Definition and choice of media is determined by each student and approved by professor. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 505 - Graduate 3D Design

(3) **Credit Hours** Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 506 - Graduate Fiber Arts

(3) **Credit Hours** Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 507 - Graduate Sculpture

(3) **Credit Hours** Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 508 - Graduate Photography

(3) **Credit Hours** Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Restrictions:** Graduate level Master of Education students only **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 509 - Graduate Ceramics

(3) **Credit Hours** Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 521 - Graduate Early & Middle Childhood Art

(3) **Credit Hours** A comprehensive introduction to art education at the elementary school level employing both theory and practice. The creative and mental stages of development are emphasized. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 522 - Graduate Art in Early Childhood Education

(3) **Credit Hours** Art production techniques, art appreciation, history and aesthetics. Active emphasis on age appropriate (3-8) art activities as well as the student's own artistic development. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 523 - Graduate Secondary School Art

(3) **Credit Hours** A thorough investigation of the instructional techniques, resources and philosophies necessary in teaching art at the secondary level. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 542 - Graduate Graphic Design

(3) **Credit Hours** Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Levels:** Graduate *College of Arts and Sciences Art*

ARTS 552 - Graduate Illustration

(3) **Credit Hours** Graduate courses are independently developed. Definition of direction and choice of media is determined by each student and approved by professor. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Art*

ARTS 591 - Graduate Independent Study

(1 to 3) **Credit Hours** Problems related to department fields, although not specifically included in the catalog, may be requested by the student and elected with the approval of the instructor and permission of the chair. **Levels:** Graduate *College of Arts and Sciences Art*

ASLN 101 - Elementary American Sign Language I

(3) **Credit Hours** An introduction to basic signing through emphasizing the acquisition of high-frequency vocabulary, facial expression, and the development of cultural awareness. **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

ASLN 102 - Elementary American Sign Language II

(3) **Credit Hours** The second semester elementary course which is a continuation of ASLN 101. **Prerequisites:** ASLN 101 Minimum Grade of D **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

ASLN 201 - Intermediate American Sign Language I

(3) **Credit Hours** The first semester intermediate course which is a continuation of ASLN 102 with a particular emphasis on the development of more creative use of the language. **Prerequisites:** ASLN 102 Minimum Grade of D **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

ASLN 202 - Intermediate American Sign Language II

(3) **Credit Hours** A communicative-oriented course emphasizing receptive and expressive skills through the study of authentic materials dealing with the Deaf world. This course includes a comprehensive grammar review. **Prerequisites:** ASLN 201 Minimum Grade of D **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

ATTR 143 - Introduction to Athletic Training

(3) **Credit Hours** Overview course including basic components of a comprehensive athletic training career outlining the prevention, recognition and evaluation of athletic injuries. History, philosophy and career opportunities of the profession; emergency procedures; tissue healing; taping procedures; ethical and legal considerations; and the organization and administration of athletic training programs. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 150 - Practicum I

(1) **Credit Hours** A practicum for students preparing to become athletic trainers. Emphasis on introductory skills, techniques, and athletic training room management. Includes a focus on screening procedures, protective equipment, fitness testing, environmental concerns, record keeping, and accurate care of athletic injuries and illnesses. **Prerequisites:** ATTR 143 Minimum Grade of D **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 168 - First Aid Safety and CPR

(3) **Credit Hours** This course certifies students through the American Red Cross in both First Aid and CPR for the professional rescuer. This class stresses the basic steps to follow in an emergency situation including assessment, life-threatening emergencies, injuries, medical emergencies, rescues, healthy lifestyles, and disease transmission. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 200 - Clinical Experience I

(2) **Credit Hours** This course includes a lab and a clinical component. Emphasis is on introductory skills, techniques, and training room management. Includes a focus on screening procedures, environmental concerns, protective equipment, fitness testing, record keeping, and acute care of athletic injuries and illnesses. This course allows the athletic training student the opportunity to gain clinical and administrative skills while practically applying current practices, principles, and techniques in athletic training under appropriate supervision in a real-world setting. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 201 - Clinical Experience II

(2) **Credit Hours** This course includes a lab and a clinical component. Emphasis on the skills of taping, padding, and bracing. This course allows the athletic training student the opportunity to gain clinical and administrative skills while practically applying current practices, principles and techniques in athletic training under appropriate supervision in a real-world setting. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 225 - Medical Terminology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 250 - Practicum II

(1) **Credit Hours** A practicum for students preparing to become athletic trainers. Emphasis on the skills of taping, padding, and bracing. **Prerequisites:** ATTR 150 Minimum Grade of D **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 267 - Physiology of Exercise

(3) **Credit Hours** Human physiology as it relates to exercise and physical activities. Bioenergetics, muscle physiology, cardiovascular physiology, environmental physiology, ergogenics, special populations, and health fitness. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 300 - Clinical Experience III

(2) **Credit Hours** This course includes a lab and clinical component. Emphasis is on therapeutic modalities, therapeutic exercise, pharmacological practices and motivational techniques for rehabilitation. This course allows the athletic training student the opportunity to gain clinical and administrative skills while practically applying current practices, principles and techniques in athletic training under appropriate supervision in a real-world setting. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 301 - Clinical Experience IV

(2) **Credit Hours** This course includes a lab and a clinical component. Emphasis is on equipment and advanced skills of taping, padding, and bracing. This course allows the athletic training student the opportunity to gain clinical and administrative skills while practically applying current practices, principles and techniques in athletic training under appropriate supervision in a real-world setting. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 343 - Therapeutic Modalities

(3) **Credit Hours** A comprehensive study of therapeutic agents for the treatment of athletic injuries. Emphasis on the indications, contraindications, precautions, and physiological effects of muscle stimulation, ultrasound, cryokinetics, and pharmacology. Student must be an Athletic Training Major or Pre-Physical Therapy Minor **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 344 - Therapeutic Exercise

(3) **Credit Hours** A comprehensive study of the application of manual therapy, neuromuscular re-education, movement and exercise as each relates to the varied and detailed goals of rehabilitation and reconditioning for injured physically active individuals. Emphasis on pathologies and their relationships to therapeutic exercise. Student must be an Athletic Training Major or Pre-Physical Therapy Minor. **Prerequisites:** ATTR 343 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 345 - Orthopedic Injuries I

(3) **Credit Hours** A comprehensive study of the lower extremity including foot, ankle, knee, thigh, hip, and pelvis with attention to prevention, recognition, and rehabilitation of related injuries. **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 346 - Orthopedic Injuries II

(3) **Credit Hours** A comprehensive study of the upper extremity including fingers, hand, wrist, arm and shoulder complex with attention to prevention, recognition and rehabilitation of related injuries. **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 347 - Orthopedic Injuries III

(3) **Credit Hours** A comprehensive study of the head, neck, and spine with special attention to prevention, recognition, recognition, and rehabilitation of related injuries. **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 350 - Athletic Training Practicum III

(2) **Credit Hours** A practicum for students preparing to become athletic trainers. Emphasis on therapeutic modalities, therapeutic exercise and motivational techniques for rehabilitation. **Prerequisites:** ATTR 250 Minimum Grade of D **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 375 - Field Experience in Athletic Training

(1) **Credit Hours** This course allows the athletic training student the opportunity to practically apply current practices, principles, and techniques in athletic training under appropriate supervision in a real-world setting. May be repeated 6 times for course credit. **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 386 - Advanced Kinesiology

(2) **Credit Hours** In-depth study designed for Athletic Training majors. Study of human movement including analysis of muscular physiology, biomechanics, principles of physics as applied to joint movement through individual muscular contractions. Emphasis on biomechanical analysis for the prevention and treatment of athletic injuries. **Prerequisites:** BIOL 140 Minimum Grade of D and BIOL 143 Minimum Grade of D **Co-requisites:** ATTR 387 **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 387 - Advanced Kinesiology Lab

(1) **Credit Hours** Laboratory course complementing the course content of ATTR 386. Co-requisite: ATTR 386. **Co-requisites:** ATTR 386 **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 400 - Clinical Experience V

(2) **Credit Hours** This course includes a lab and a clinical component. Emphasis on general medical issues, nutrition, and training room management. This course allows the athletic training student the opportunity to gain clinical and administrative skills while practically applying current practices, principles and techniques in athletic training under appropriate supervision in a real-world setting. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 401 - Clinical Experience VI

(2) **Credit Hours** This course includes a lab and a clinical component. Emphasis on advanced injury assessment techniques, referral, and professional development. This course allows the athletic training student the opportunity to gain clinical and administrative skills while practically applying current practices, principles and techniques in athletic training under appropriate supervision in real-world setting. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 405 - General Medical Conditions

(2) **Credit Hours** A comprehensive study of the internal organs of the body for screening of internal injuries and general medical conditions in athletic participation. Special attention to prevention, recognition, and treatment of general medical conditions and the referral of life-threatening injuries. **Prerequisites:** ATTR 406 **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 406 - General Medical Conditions Lab

(1) **Credit Hours** Laboratory complementing the course content of ATTR 405. **Co-requisites:** ATTR 405 **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 410 - Athletic Training Organization & Administration

(3) **Credit Hours** To emphasize the administrative and managerial duties of the athletic trainer. Emphasis on leadership and supervision, human relations, communication, organizational structure and climate, sport law, budget management and equipment purchasing, pre-participation physical examinations, drug

testing, and facility and event management. **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 420 - Research in Athletic Training

(3) **Credit Hours** A course designed to introduce students to the principles of scientific inquiry and research methods. Evaluation of published research and procedures for developing a research design are also emphasized. In addition, students will gain a basic understanding of statistics. **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 425 - Nutrition

(3) **Credit Hours** Nutrition and its role in human performance. The classes of nutrients, their physiological functions, and their role in sports and fitness. Nutritional supplements and ergogenic doping will also be addressed. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 450 - Practicum IV

(2) **Credit Hours** A practicum for students preparing to become athletic trainers. Emphasis on advanced injury assessment techniques, taping, bracing, and padding techniques, and professional development. **Prerequisites:** ATTR 350 Minimum Grade of D **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 470 - Independent Study

(1 to 3) **Credit Hours** Investigate an area of interest within the area of sports medicine. Student must have advisor's approval. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

ATTR 492 - Athletic Training: Senior Seminar

(3) **Credit Hours** A culminating experience which presents an extensive overview of the entire professional preparation in Athletic Training. Resume writing, job interviewing skills, and graduate school selection are included. **Restrictions:** Athletic Training Majors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

BIOL 102 - Life: Human Biology

(2) **Credit Hours** Study of the anatomy and physiology of the human body systems, with emphasis on the regulatory mechanisms that maintain homeostasis and health. This course is not for BIOL, NURS, NATS, PSYC, ATTR, or HOCS majors. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 104 - Life: Biology of Wellness

(2) **Credit Hours** Biological aspects of maintaining human mental and physical wellbeing. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 106 - Life: Biology of Aging

(2) **Credit Hours** Examination of the current scientific understanding of the human aging process, as it applies to human anatomy and physiology. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 110 - Life: Human Reproduction Today

(2) **Credit Hours** Study of the anatomy and physiology of traditional reproduction and the newer technologies that allow the manipulation of human fertility, like in vitro fertilization, sperm injection, genetic selection, surrogacy, and the possibility of cloning. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** Biology Lecture-University Core, ERS Focus Elective **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 112 - Life: Growing & Evolving

(2) **Credit Hours** Study of the process of organic evolution and how it has resulted in the structural, functional, and genetic diversity of organisms, with focus on recent advances and major events in the history of life. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 114 - Irish Biodiversity

(2) **Credit Hours** This course will introduce students to the evolutionary development and current distribution of organisms in the modern ecosystems of Ireland. We will travel through rural Ireland and visit a diversity of biological communities including peat bogs, oak forests, freshwater lakes, and rocky coastlines. One of the goals of the course is to introduce students to the classification of a diversity of organisms in the context of their evolutionary history. For example, one component of the course discusses the different modes of reproduction of mosses, ferns, conifers, and flowering plants. We also discuss the challenges and benefits of conserving biodiversity. We examine this both from an anthropocentric point of view by learning about the ecological and social forces that led to the Irish Potato Famine and from an ecosystem point of view by discussing the value of natural areas for the sake of preserving native diversity. **Co-requisites:** BIOL 115 **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 115 - Life: Biodiversity in Ireland Lab

(1) **Credit Hours** This course will introduce students to the scientific investigation of biodiversity in Ireland. It is a companion course for BIOL 114. The goals of this course are to have students (1) understand the practical methods scientists use to investigate aspects of biodiversity and conservation of organisms and (2) learn to recognize and categorize organisms encountered in the field. **Co-requisites:** BIOL 114 **Course Attributes:** Biology Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 116 - Life: Microbes & Humans

(2) **Credit Hours** Study of microbes (bacteria, viruses, protozoa) and their impact on human society. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 118 - Life: The World of Plants

(2) **Credit Hours** Introduction to the study of plants, including basic aspects of the structure and function of higher plants and the value of plants in nature and in human affairs. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 119 - Life: Current Topics

(2) **Credit Hours** New advances and controversial areas of research in the life sciences, as a way of introducing some of the major concepts in biology. Topics may include evolution and creationism, global warming, animals in research, artificial intelligence, and genetic engineering. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 120 - Life: Ecology & People

(2) **Credit Hours** An exploration of critical environmental issues that affect our world today, through a study of ecological principles and their interaction with human society, especially considering the ethical, political, and economic aspects. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** Biology Lecture-University Core, Environmental Studies Minor, ERS Focus Elective, Gender & Diversity Studies Minor, Peace Studies Minor **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 122 - Life: Tropical Biodiversity in Costa Rica

(2) **Credit Hours** This course introduces students to the scientific study of biodiversity in the Neotropics. **Co-requisites:** BIOL 123 **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 123 - Life Lab: Tropical Biodiversity in Costa Rica

(1) **Credit Hours** Field exercises to accompany BIOL 122, utilizing native species as examples. **Co-requisites:** BIOL 122 **Course Attributes:** Biology Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 125 - Life Lab: Investigation I

(1) **Credit Hours** Inquiry-based experiments to accompany BIOL 102-120. **Course Attributes:** Biology Lab-University Core, Peace Studies Minor **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 127 - Life Lab: Investigation II

(1) **Credit Hours** Exercises, experiments, and field trips to accompany BIOL 102-120. **Course Attributes:** Biology Lab-University Core, Peace Studies Minor
Levels: Undergraduate *College of Arts and Sciences Biology*

BIOL 130 - Introduction to Life Sciences

(2) **Credit Hours** Cells, heredity, ecology, evolution, plant and animal morphology, and physiology. For Education Majors. **Co-requisites:** BIOL 131
Restrictions: BS in Education Majors only **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 131 - Introduction to Life Sciences Lab

(1) **Credit Hours** Exercises and field trips to illustrate principles taught in BIOL 130. For Education majors only. **Co-requisites:** BIOL 130 **Restrictions:** BS in Education Majors only **Course Attributes:** Biology Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 140 - Human Anatomy & Physiology I

(3) **Credit Hours** The major human systems emphasizing the skeletal, muscular, and nervous systems. **Restrictions:** Not for Biology or Natural Sciences Majors
Course Attributes: Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 141 - Human Anatomy & Physiology I Lab

(1) **Credit Hours** Human skeletal material and dissection of a representative mammal. Histology of tissues and organs with physiological exercises and demonstrations, including human cadavers. **Course Attributes:** Biology Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 142 - Human Anatomy & Physiology II

(3) **Credit Hours** Continuation of BIOL 140 stressing the circulatory, immune, excretory, digestive, endocrine, and reproductive systems. **Prerequisites:** BIOL 140 Minimum Grade of D and BIOL 141 Minimum Grade of D **Restrictions:** Not for Biology or Natural Sciences majors **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 143 - Human Anatomy & Physiology II Lab

(1) **Credit Hours** Continuation of anatomical approach of BIOL 141 with related physiological studies and demonstrations. **Course Attributes:** Biology Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 160 - General Biology I

(3) **Credit Hours** Principles of molecular, cellular, and organismal biology, emphasizing the physiology of vertebrates. Introductory course for BIOL, NATS, MEDT, and APBI majors. Preparation for most 200 level courses. **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 161 - General Biology I Lab

(2) **Credit Hours** Laboratory exercises demonstrating the principles of cellular biology, genetics, and vertebrate systems. **Course Attributes:** Biology Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 162 - General Biology II

(3) **Credit Hours** Topics in taxonomy, evolution, animal behavior, and ecology. Preparation for most 200 level courses. **Prerequisites:** BIOL 160 Minimum Grade of D **Course Attributes:** Biology Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 163 - General Biology II Lab

(2) **Credit Hours** Laboratory exercises and field trips demonstrating the principles of evolution, animal behavior, and ecology, with emphasis on scientific writing. **Prerequisites:** BIOL 161 Minimum Grade of D **Course Attributes:** Biology Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Biology*

BIOL 200 - Microbiology

(3) **Credit Hours** Basic study of microbes, their activities, control, role in disease and host immune responses. Intended for Nursing and Pre-Pharmacy students. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 201 - Microbiology Lab

(1) **Credit Hours** Microscopic examination of the diversity of microbes, including monerans, fungi, and protists. Students learn basic culture, isolation, and identification techniques in bacteriology. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 204 - Functional Neuroscience

(3) **Credit Hours** The structure, function, and pathology of the nervous system. Intended for Occupational Therapy students. **Restrictions:** Occupational Therapy Majors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 210 - General Botany

(2) **Credit Hours** The morphology, physiology, and reproduction of representatives of each plant division are studied with emphasis on the seed plants. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 211 - General Botany Lab

(2) **Credit Hours** Observations of living and preserved plants, experimentation, and field trips to illustrate structure and life processes in various plant groups. **Co-requisites:** BIOL 210 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 222 - Immunology

(2) **Credit Hours** An introduction to the specific mechanisms by which the human body reacts to foreign biological materials. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 230 - Genetics

(3) **Credit Hours** Principles of heredity, the genetic control of development, molecular genetics, and population genetics. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 231 - Genetics Laboratory

(1) **Credit Hours** Laboratory exercises to provide students with experience in modern molecular genetics and methods of manipulating and studying nucleic acids. **Co-requisites:** BIOL 230 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 240 - Evolution

(2) **Credit Hours** Evidence for and the mechanisms of evolutionary processes. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 244 - Animal Behavior

(2) **Credit Hours** Study of the innate, learned, aggressive, social and sexual behavior of animals as evolutionary products. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 250 - Ecology

(3) **Credit Hours** The relationships between organisms and their living and non-living environments. **Prerequisites:** 1 course from BIOL 102-120 and 1 course from BIOL 125-127 or BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Course Attributes:** Environmental Studies Minor, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 251 - Ecology Lab

(1) **Credit Hours** Laboratory and field exercises to illustrate ecological principles. Local aquatic and terrestrial habitats are investigated. **Prerequisites:** 1 course from BIOL 102-120 and 1 course from BIOL 125-127 or BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Co-requisites:** BIOL 250 **Course Attributes:** Environmental Studies Minor, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 255 - Tropical Ecology

(3) **Credit Hours** This course will introduce students to the scientific study of tropical ecology in the field. We will travel to a diverse range of natural biological communities including primary rainforest, coastal communities, coral reefs, freshwater streams, and cloud forest. We will also examine effects of modern land-use patterns on these systems by visiting agricultural areas including coffee and cacao plantations. **Prerequisites:** BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Course Attributes:** Biology Lab-University Core, Biology Lecture-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 256 - Conservation Biology In Ireland

(3) **Credit Hours** This course will introduce students to the science of conservation biology in the context of modern Ireland. We will travel through rural Ireland and visit a diversity of biological communities including peat bogs, oak forests, freshwater lakes, and rocky coastlines. We will examine the threats to species persistence including those posed by land-use changes, overexploitation, and introduction of invasive species. We will discuss historical changes leading to the population crashes of endangered species such as the Corn Crake, the Irish red deer, and the Barn Owl and examine the habitat management practices being employed to recover populations of these species. **Prerequisites:** BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 280 - Topics in Biology

(1 to 3) **Credit Hours** Short-term courses designed to explore biological phenomena of current interest. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 290 - Special Problems in Biology

(1 to 4) **Credit Hours** Independent study in some specialized area of biology. Requires permission of Chair. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 330 - Medical Genetics: Implications

(3) **Credit Hours** The principles of human genetics, risks, screening, diagnosis, applications of genetic ethics to problems. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D and BIOL 230 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 340 - Advanced Physiology

(3) **Credit Hours** Functional processes of the human body, interrelationships of the systems, and some homeostatic and immunological applications. Pre-requisite: BIOL 140-143, permission of Chair required to apply as elective requirement for all departmental majors. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 354 - Vertebrate Anatomy

(2) **Credit Hours** Description of the anatomy and development of selected vertebrates, including humans, emphasizing the evolutionary connections among vertebrates. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Restrictions:** Not for Freshmen or Sophomores **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 355 - Vertebrate Anatomy Lab

(2) **Credit Hours** Exercises which demonstrate major principles to accompany BIOL 354. Dissection of cat and shark, with human cadaver demonstrations. **Co-requisites:** BIOL 354 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 360 - Cell Biology

(2) **Credit Hours** A contemporary view of cell structure and function. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 364 - Virology

(2) **Credit Hours** This course serves as an introduction to the diversity, genetics, and ecology of viruses, emphasizing impacts on human societies worldwide. **Prerequisites:** BIOL 160 and BIOL 161 and BIOL 162 and BIOL 163 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 370 - Endocrinology Lecture

(2) **Credit Hours** An introduction to the system of chemical messengers (hormones) which modulate growth, energy expenditure, sexual maturation, and neural function. **Prerequisites:** BIOL 160 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 398 - Seminar: Environmental Studies

(3) **Credit Hours** An environmental issue is selected and each student is responsible for investigating a facet of the problem. The seminar format provides a mechanism for sharing ideas for proper procedure in investigating the problem, analyzing and interpreting data, and exploring the economic, ecological, and ethical consequences of alternative problem resolutions. **Prerequisites:** (BIOL 160 and BIOL 161 and BIOL 162 and BIOL 163) or (BIOL 250 and BIOL 251) **Course Attributes:** Environmental Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 410 - Vertebrate Physiology

(2) **Credit Hours** Contraction, perception, metabolism, circulation, respiration, coordination, and excretion in vertebrates, emphasizing humans. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 411 - Vertebrate Physiology Lab

(2) **Credit Hours** Exercises which demonstrate major principles to accompany BIOL 410, utilizing living specimens and computer-based instrumentation. **Co-requisites:** BIOL 410 **Restrictions:** Not for Freshmen or Sophomores **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 414 - Adaptive Animal Physiology

(3) **Credit Hours** This course is aimed at examining how physiological processes are used to enable animals to carry out specific behaviors or live in specialized environment(s). We will use our knowledge of physiology to explore these topics and gain an understanding of physiological processes in different animals. **Prerequisites:** BIOL 410 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 420 - General Histology

(2) **Credit Hours** Structure and function of animal tissues as revealed by light microscopy, electron microscopy, and histochemistry. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Restrictions:** Not for Freshmen or Sophomores **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 421 - General Histology Lab

(2) **Credit Hours** A microscopic study of fixed materials employing routine and histochemical techniques to demonstrate cell, tissue, and organ morphology. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 440 - Biochemistry

(3) **Credit Hours** A lecture course treating the structure, properties, and metabolism of proteins, carbohydrates, lipids, and nucleic acids. **Prerequisites:** CHEM 242 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 450 - Bacteriology

(2) **Credit Hours** The morphology, physiology, and genetics of bacteria including the impact of these organisms on humans. **Prerequisites:** BIOL 160 Minimum Grade of D and BIOL 161 Minimum Grade of D and BIOL 162 Minimum Grade of D and BIOL 163 Minimum Grade of D **Restrictions:** Not for Freshmen or Sophomores **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 451 - Bacteriology Lab

(2) **Credit Hours** The techniques for isolation, identification, culturing, and physiological study of bacteria. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 460 - Developmental Biology

(3) **Credit Hours** The major events in development, including gametogenesis, fertilization, cleavage divisions, embryonic polarization, germ layer formation, and morphogenesis, and the underlying cellular, molecular, and genetic mechanisms that control these events. **Prerequisites:** BIOL 230 Minimum Grade of D and BIOL 231 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 461 - Developmental Biology Lab

(1) **Credit Hours** Exercises that demonstrate gametogenesis, fertilization, cleavage divisions, embryonic polarization, germ layer formation, and morphogenesis. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 470 - Human Anatomy I

(1) **Credit Hours** An introductory course in gross human anatomy achieved through the dissection of human cadavers, including dissection technique, integument removal, muscle identification and demonstration of cadavers to other classes. Requires permission of Chair. **Prerequisites:** BIOL 354 Minimum Grade of D and BIOL 355 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 472 - Human Anatomy II

(1) **Credit Hours** Continuation of BIOL 470, including cadaver dissection of thoracic, abdominal, and pelvic cavities, cranium, and face. **Prerequisites:** BIOL 354 Minimum Grade of D and BIOL 355 Minimum Grade of D and BIOL 470 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 495 - Directed Study

(1 to 4) **Credit Hours** A variety of independent studies, including an internship program with the Cincinnati Zoo, and undergraduate research beginning in the sophomore and junior years. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 498 - Methods of Biological Research I

(1 to 2) **Credit Hours** Development of a research project emphasizing experimental design, controls, gathering and interpreting experimental data from living organisms. Projects vary depending on faculty advisor. Intended for Seniors. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BIOL 499 - Methods of Biological Research II

(1 to 2) **Credit Hours** A continuation of BIOL 498 culminating in the written and oral presentation of scientific reports. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

BLAW 300 - Legal Environment

(3) **Credit Hours** Provides a background in the legal environment of business. Topics include: contracts, business torts, product liability, business entities, ethics, and employment discrimination. **Restrictions:** Juniors or Seniors only **Course Attributes:** ERS Focus Elective, Gender & Diversity Studies Min, Social Science - Univ Core **Levels:** Undergraduate *Williams College of Business Accountancy*

BLAW 734 - Management & Legal Environment

(4) Credit Hours This course investigates legal concepts and their impact on business. Topics include: contracts, business torts, product liability, white-collar crimes, worker's privacy, employment discrimination, professional malpractice and business ethics. Student must be admitted to the Executive MBA Program. **Restrictions:** Graduate Williams College of Business Management Majors only **Levels:** Graduate *Williams College of Business Accountancy*

BUAD 101 - The Business Profession I

(0) Credit Hours Self-Assessment and Awareness. Provides an introduction to business careers and ethics. Students will identify their skills, interests and values and how they relate to careers and work environments. **Restrictions:** Freshmen only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 102 - The Business Profession I

(0) Credit Hours Self-Assessment and Awareness. Provides an introduction to business careers and ethics. Students will identify their skills, interests and values and how they relate to careers and work environments. **Restrictions:** Freshmen only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 201 - The Business Profession II

(0) Credit Hours Preparing for Business Life. Focuses on career and market exploration, job search skills, resume design and writing, business practices and cooperative education opportunities. **Restrictions:** Sophomores only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 202 - The Business Profession II

(0) Credit Hours Preparing for Business Life. Focuses on career and market exploration, job search skills, resume design and writing, business practices and cooperative education opportunities. **Restrictions:** Sophomores only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 301 - The Business Profession III

(0) Credit Hours Planning your Career Search. Centers on job search resources and professional associations, interviewing, and networking. Required for all business juniors. **Restrictions:** Juniors only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 302 - The Business Profession III

(0) Credit Hours Planning your Career Search. Centers on job search resources and professional associations, interviewing and networking. **Restrictions:** Juniors only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 303 - Co-op Education/Intl Bus:JR

(3 to 6) Credit Hours An elective cooperative experience where students earn academic credit while performing approved economic-related work experience. Student must have completed 55 credit hours, have a 2.750 GPA, and receive departmental approval. **Prerequisites:** MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 401 - The Business Profession IV

(0) Credit Hours Beginning your Career. Explores job placement opportunities, evaluating a job offer, professional associations, and community service. **Restrictions:** Seniors only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 402 - The Business Profession IV

(0) Credit Hours Beginning your Career. Explores job placement opportunities, evaluating a job offer, professional associations and community service. **Restrictions:** Seniors only **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 403 - Co-op Education/Intl Bus:SR

(3 to 6) Credit Hours An elective cooperative experience where students earn academic credit while performing approved economic-related work experience. Student must have completed 55 credit hours, have a 2.750 GPA, and receive departmental approval. **Prerequisites:** MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Business Administration*

BUAD 500 - International Business

(2) Credit Hours This course will examine the world of international business focusing on globalization and national identities & their impact on business, along with the impacts of political-economics systems, cost differences, trade policy, currency differences, international capital markets, global finance, management, marketing and negotiations. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 501 - Leadership and Communication

(2) Credit Hours **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 600 - Business Law & Ethics

(3) Credit Hours Examines the relationship between business, law and ethics by investigating core values of leadership, honesty, integrity, governance, diversity, loyalty and piracy. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 603 - MBA Co-op

(1 to 3) Credit Hours An elective cooperative experience where students earn academic credit while performing approved MBA related work. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 609 - Business Ethics Through Film

(3) Credit Hours This course uses film, web links and business ethics articles to facilitate class discussion and highlight important ethical issues of the day. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 610 - Outsourcing ISS in Internl Bus

(3) Credit Hours The objective of this course is to enhance students' awareness of the economic, managerial, technological, social, and ethical aspects associated with offshoring as a strategy used by U.S.-based corporations. This objective is achieved through case discussions, written papers, presentations, and discussion of timely and relevant information of the topic of offshoring. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 613 - Executive Leadership

(2) Credit Hours Investigate the style, skills, characteristics, and challenges of leadership at the executive level of organizations. Executives as the top of organizations must face the challenge of defining a strategic direction and implementing activities that are focused to move the organization in that direction. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 680 - Doing Business in Asia

(3 to 4) Credit Hours Assess the elements of quality manufacturing and service used by companies doing business in Japan, Singapore, and other Asian countries. Explore the procedures used to adapt to cultural diversity. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 681 - Doing Business in Europe

(3 to 4) Credit Hours Assess the strategies of niche manufacturing and marketing used by business to successfully penetrate the European market, and procedures used to adapt to cultural diversity. **Restrictions:** Williams College of Business Graduate students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 690 - Corporate Governance

(3) Credit Hours This course provides an introduction to corporate governance that applies to publicly held corporations, privately owned corporations and nonprofit organizations. The course emphasizes the development, implementation, monitoring, and evaluation of effective governance strategies. **Prerequisites:** (ACCT 600 or ACCT 601) and (BUAD 500) and BUAD 600 and ECON 600 and FINC 600 and INFO 600 and MGMT 600 and MGMT 601 and MKTG 600
Levels: Graduate *Williams College of Business Business Administration*

BUAD 691 - Global Strategic Thinking

(3) Credit Hours This course creates a common frame of reference for theories, skills and processes to be used for analyzing case situations. Course emphasis will be on presentations of theories, discussions, presentations of current business issues, problem-solving activities, case analyses and guest speaker visits.
Prerequisites: (ACCT 600 or ACCT 601) and (BUAD 500) and BUAD 600 and ECON 600 and FINC 600 and INFO 600 and MGMT 600 and MGMT 601 and MKTG 600
Levels: Graduate *Williams College of Business Business Administration*

BUAD 692 - Service Learning

(3) Credit Hours Student teams serve as consultants to not-for-profit organizations or companies that are committed to serving their community. The course will include lectures and readings, development and execution of a consulting plan, teaming in all aspects of the course, and reflection on experience. **Prerequisites:** ACCT 500 Minimum Grade of C or ACCT 803 Minimum Grade of C and ACCT 501 Minimum Grade of C or ACCT 803 Minimum Grade of C and ECON 500 Minimum Grade of C or ECON 805 Minimum Grade of C or ECON 802 Minimum Grade of C and ECON 501 Minimum Grade of C or ECON 806 Minimum Grade of C or ECON 801 Minimum Grade of C and MKTG 500 Minimum Grade of C or MKTG 801 Minimum Grade of C and STAT 500 Minimum Grade of C or STAT 801 Minimum Grade of C and MGMT 600 Minimum Grade of C or MGMT 901 Minimum Grade of C or MGMT 902 Minimum Grade of C and MGMT 601 Minimum Grade of C or MGMT 903 Minimum Grade of C and ECON 600 Minimum Grade of C or ECON 901 Minimum Grade of C or ECON 902 Minimum Grade of C and ACCT 600 Minimum Grade of C or ACCT 601 Minimum Grade of C or ACCT 901 Minimum Grade of C and FINC 600 Minimum Grade of C or FINC 901 Minimum Grade of C and MKTG 600 Minimum Grade of C or MKTG 901 Minimum Grade of C and INFO 600 Minimum Grade of C or INFO 903 Minimum Grade of C and BUAD 600 Minimum Grade of C or BUAD 901 Minimum Grade of C and BUAD 500 Minimum Grade of C and MGMT 500 Minimum Grade of C
Levels: Graduate *Williams College of Business Business Administration*

BUAD 693 - Organizational Business Case

(3) Credit Hours **Restrictions:** Master of Business Administration Students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 704 - Global Strategic Thinking

(3) Credit Hours This course creates a process which allows students to develop the ability to integrate information from the business function courses using the skills developed in the business and systems skills and foundation skills courses. Organizations are examined holistically, globally, and strategically. **Restrictions:** Williams College of Business Executive MBA Students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 779 - International Business

(4) Credit Hours The course is designed to help students understand the complex world in which multinational corporations, national and international agencies and individuals interact. It touches on the economic, cultural, financial, and political environments of international trade. Economic analysis, marketing and financial strategies used to operate in this environment are particularly developed. **Restrictions:** Williams College of Business Executive MBA Students only
Levels: Graduate *Williams College of Business Business Administration*

BUAD 780 - Doing Business in Asia

(3) Credit Hours Gain a basic familiarity with Asian management strategies, techniques, and philosophies that may differ from those practiced in the United States. Develop a better appreciation for cultural differences and how they impact business conduct. **Restrictions:** Williams College of Business Executive MBA Students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 781 - Doing Business in Europe

(3) Credit Hours Gain a basic familiarity with European management strategies, techniques, and philosophies that may differ from those practiced in the United States. Develop a better appreciation for cultural differences and how they impact business conduct. **Restrictions:** Williams College of Business Executive MBA Students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 784 - Doing Business in South America

(3) **Credit Hours** Gain a basic familiarity with Latin American management strategies, techniques, and philosophies that may differ from those practiced in the United States. Develop a better appreciation for cultural differences and how they impact business conduct. **Restrictions:** Williams College of Business Executive MBA Students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 901 - Legal, Ethical & Regulatory Environment

(2) **Credit Hours** Examines antitrust, administrative law, liabilities, and other legal, regulatory, or ethical issues confronting business. **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 904 - Global Strategic Thinking

(3) **Credit Hours** This dynamic course creates a process for students to develop the ability to integrate information from the business function courses. Via case discussions, simulations, group projects, and executive speaker presentations, students critically evaluate and design strategies for organizations for a sustainable competitive advantage in domestic and global markets. Organizations are examined holistically, globally, and strategically. **Prerequisites:** All Integrated Functions, business and system skills, and foundation skills courses as well as all core courses. **Levels:** Graduate *Williams College of Business Business Administration*

BUAD 941 - Year 2 Integration Project/Paper

(3) **Credit Hours** A year-long integrative course that builds upon the MBA core curriculum. Students develop a project that demonstrates their facility in using the concepts, tools, and skills learned throughout the MBA program. Pre-requisite: Admission to the on-site MBA program and completion of the first year coursework. **Restrictions:** Master of Business Administration Majors only **Levels:** Graduate *Williams College of Business Business Administration*

CHEM 102 - Chemistry: Environment and Energy

(2) **Credit Hours** A course for the non-science major. The relationship between chemistry and contemporary society. **Co-requisites:** CHEM 103 **Course Attributes:** Chemistry Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 103 - Chemistry: Environment and Energy Lab

(1) **Credit Hours** Chemical experimentation which illustrates the concepts described in CHEM102 **Co-requisites:** CHEM 102 **Course Attributes:** Chemistry Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 104 - Chemistry: Life and Health

(2) **Credit Hours** A course for the non-science major. The impact of basic chemical discoveries and of certain organic and biochemical compounds on society. Fulfills the E/RS Focus elective when taken with CHEM 105. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Co-requisites:** CHEM 105 **Course Attributes:** Chemistry Lecture-University Core, ERS Focus Elective **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 105 - Chemistry: Life and Health Lab

(1) **Credit Hours** Chemical experimentation which illustrates the concepts described in CHEM 104. Fulfills the E/RS Focus elective when taken with CHEM 104. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Co-requisites:** CHEM 104 **Course Attributes:** Chemistry Lab-University Core, ERS Focus Elective **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 150 - Physiological Chemistry

(3) **Credit Hours** This is a one semester course covering basic concepts in general chemistry, organic chemistry and biochemistry that includes an understanding of the composition, structure and chemical reactions of substances in living systems. This course is required of undergraduate nursing majors. **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 151 - Physiological Chemistry Lab

(1) **Credit Hours** Chemical experimentation which illustrates the concepts described in CHEM 150. **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 160 - General Chemistry I

(3) **Credit Hours** This course is the first in a two semester sequence of general chemistry. This is a pre-professional course approved by the American Chemical Society for chemistry majors and required of many other science majors. Fundamental principles of chemistry including atomic and molecular structure, states of matter, stoichiometry, energy relationships, periodic table and solution chemistry. The following mathematical concepts are used: scientific notation, logarithms, the quadratic equation and proportionality. Students must have a demonstrated competency in mathematics of MATH105 or above. **Course Attributes:** Chemistry Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 161 - General Chemistry I Lab

(1) **Credit Hours** Practice in the basic operations of chemical laboratory work. **Co-requisites:** CHEM 160 **Course Attributes:** Chemistry Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 162 - General Chemistry II

(3) **Credit Hours** This course is the second in a two semester sequence of general chemistry. This is a preprofessional course approved by the American Chemical Society for chemistry majors and required of many other science majors. Fundamental principles of chemistry including thermodynamics, acids and bases, kinetics, redox processes and transition metal chemistry are covered. **Prerequisites:** CHEM 160 Minimum Grade of D **Course Attributes:** Chemistry Lecture-University Core **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 163 - General Chemistry II Lab

(1) **Credit Hours** A continuation of CHEM 161. The laboratory work includes qualitative and quantitative inorganic analysis. **Prerequisites:** CHEM 161 Minimum Grade of D **Co-requisites:** CHEM 162 **Course Attributes:** Chemistry Lab-University Core **Levels:** Undergraduate *College of Arts and Sciences Chemistry*

CHEM 220 - Principles of Physical Chemistry

(3) **Credit Hours** For students in the life science and BS Chemical Science programs. Aspects of physical chemistry most relevant to living systems. **Prerequisites:** CHEM 162 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 221 - Analytical Chemistry

(1) **Credit Hours** Lecture and Laboratory course. Application of wet and instrumental analytical methods to substances of clinical interest. **Prerequisites:** CHEM 163 Minimum Grade of D or CHEM 165 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 226 - Quantitative Analysis

(3) **Credit Hours** An introductory course in analytical chemistry covering gravimetric and titrimetric methods of analysis. Statistical analysis of data is performed. **Prerequisites:** CHEM 162 Minimum Grade of D and CHEM 163 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 227 - Quantitative Analysis Lab

(1) **Credit Hours** Laboratory experiments to demonstrate the concepts discussed in CHEM 226. **Prerequisites:** CHEM 163 Minimum Grade of D **Co-requisites:** CHEM 226 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 240 - Organic Chemistry I

(3) **Credit Hours** This course is the first in a two semester sequence of organic chemistry. This is a pre-professional course approved by the American Chemical Society for chemistry majors and required of many other science majors. This course examines the basic structure, properties, preparation and reaction mechanisms of organic compounds. **Prerequisites:** CHEM 162 Minimum Grade of C- **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 241 - Organic Chemistry I Lab

(1) Credit Hours The practice of fundamental operations involved in the synthesis, separation, purification, and identification of organic compounds. **Prerequisites:** CHEM 163 Minimum Grade of D or CHEM 165 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 242 - Organic Chemistry II

(3) Credit Hours This course is the second in a two semester sequence of organic chemistry. This is a preprofessional course approved by the American Chemical Society for chemistry majors and required of many other science majors. This course continues in the examination of the basic structure, properties, preparation and reaction mechanisms of organic compounds. **Prerequisites:** CHEM 240 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 243 - Organic Chemistry II Lab

(1) Credit Hours Continuation of the laboratory work of CHEM 241 with increased emphasis on the reactions and synthesis of organic systems. **Prerequisites:** CHEM 241 Minimum Grade of D **Co-requisites:** CHEM 242 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 300 - Introduction To Chemical Research

(1) Credit Hours An introduction to the nature and use of the chemical literature, general research procedures, technical report writing, and computerized literature searches. **Restrictions:** Juniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 320 - Physical Chemistry I

(3) Credit Hours An introduction to theoretical chemistry with emphasis on thermodynamics and chemical equilibrium. **Prerequisites:** CHEM 162 Minimum Grade of D and MATH 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 322 - Physical Chemistry II

(2) Credit Hours A continuation of CHEM 320. Chief emphasis on chemical kinetics and kinetic molecular theory. **Prerequisites:** CHEM 320 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 325 - Physical Chemistry Laboratory

(1) Credit Hours A laboratory course to demonstrate basic principles of physical chemistry. **Prerequisites:** CHEM 320 Minimum Grade of D **Co-requisites:** CHEM 322, CHEM 330 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 330 - Quantum Chemistry

(2) Credit Hours An introduction to quantum chemistry and molecular structure. **Prerequisites:** CHEM 162 Minimum Grade of D and MATH 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 340 - Instrumental Analysis

(3) Credit Hours Discussion of modern analytical chemistry with emphasis on instrumentation and measurement techniques. **Prerequisites:** CHEM 220 Minimum Grade of D or CHEM 320 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 341 - Instrumental Analysis Lab

(1) Credit Hours Practice in the use of chemical instrumentation as available. **Prerequisites:** CHEM 340 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 400 - Research/Seminar

(1) Credit Hours Capstone course for the chemistry and chemical science major. Undergraduate research performed under the direction of a faculty member. Students share the results of their research and interact with outside speakers during weekly seminar sessions. A written thesis is the final product of these activities. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 411 - Organic Synthesis & Analysis

(3) **Credit Hours** Synthesis and analysis of organic compounds. Emphasis on chromatographic and spectroscopic methods of identification and estimation. Prerequisite: CHEM 242, CHEM 243. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 420 - Inorganic Chemistry

(3) **Credit Hours** Modern theories of bonding and structure, spectroscopy, redox chemistry, and reaction mechanisms. Coordination compounds, organometallic clusters, and catalysis. **Prerequisites:** CHEM 330 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 421 - Inorganic Chemistry Lab

(1) **Credit Hours** Laboratory techniques and practice in synthetic inorganic chemistry. **Prerequisites:** CHEM 420 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 435 - Medicinal Chemistry

(3) **Credit Hours** The science and economics of medicinal chemistry. The discovery, structure activity relationships, synthesis and mechanism of action of several classes of drugs are discussed. **Prerequisites:** CHEM 242 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 440 - Biochemistry

(3) **Credit Hours** A lecture course treating the structure, properties, and metabolism of proteins, carbohydrates, lipids, and nucleic acids. **Prerequisites:** CHEM 242 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 450 - Topics in Organic Chemistry

(3) **Credit Hours** An extension of fundamental organic chemistry to include more specialized topics not previously considered or extensively treated. **Prerequisites:** CHEM 242 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 460 - Topics in Bioorganic Chemistry

(2) **Credit Hours** A course devoted to the synthesis, reactions, and structure of organic molecules involved in biological processes. **Prerequisites:** CHEM 242 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CHEM 495 - Directed Study

(1 to 3) **Credit Hours** Study of a specific topic of interest under the direction of a faculty member. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Chemistry*

CJUS 101 - Introduction to Criminal Justice

(3) **Credit Hours** An overview of the history and legal basis of the criminal justice system, its structures, its functions, and interface with the individual elements. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 102 - Introduction to Law Enforcement

(3) **Credit Hours** Overview of policing problems and procedures; legal and philosophical issues in law enforcement; organization and administration of police agencies. **Levels:** Undergraduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 103 - Introduction to Corrections

(3) **Credit Hours** Explores both institutional and non-institutional corrections in contemporary society. The operations of prisons and jails and their internal procedures, including safety, security, supervision, classification and programming are explored, along with alternatives to incarceration, probation, and parole. All of these are reviewed in relation to contemporary social and political realities, along with their ethical dimension. **Levels:** Undergraduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 167 - Survey of Society in Social Work

(3) **Credit Hours** The course is designed to offer students a basic knowledge and understanding of societal institutions and the core concepts, skills and activities necessary to practice within them. The course also examines the historical roots of the profession; social work interventions in practice, policy, and research; the knowledge, values, ethics and skills underpinning the practice of social work with diverse populations. Students will gain an understanding of the various roles social workers perform and the settings in which they practice. **Course Attributes:** Gender & Diversity Studies Minor, Social Science-University Core **Levels:** Undergraduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 206 - Criminology

(3) **Credit Hours** This course is designed to provide a foundational survey of the approaches and theories on crime and deviance. This course is designed as an introductory course in which students study crime and criminal offenders from a variety of disciplines. For each of the theories covered, topics will include key theoretical concepts, specific hypotheses derived from the theory, existing empirical research on these hypotheses, criticisms of the theory and efforts to deal with those criticisms, and policy implications of the theory to the criminal justice system. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 210 - Basic Constitutional Law & American Justice

(3) **Credit Hours** Studies the ratification and incorporation of the Bill of Rights. Examines judicial review, the jurisdiction and organization of federal and state court systems and the Fourth, Fifth, Sixth and Fourteenth Amendment provisions relevant to law enforcement and judicial process. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 230 - Legal Aspects of Corrections

(3) **Credit Hours** Explores the structure and function of the Federal and State criminal court systems from institutional and behavioral perspectives, First, Sixth, Eighth and Fourteenth Amendment provisions relevant to law enforcement, judicial process and corrections. Ethical aspects are considered, especially the rights and obligations of correctional staff. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 239 - Criminalistics I

(3) **Credit Hours** Study of legal scientific physical evidence: e.g. fingerprinting, DNA analysis, serology, hair and fiber, and famous crime scene investigations. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 240 - Criminal Law

(3) **Credit Hours** An overview of law in society, and especially the development, substance and application of the criminal law. This elective course complements the two courses in constitutional law and adds a strong legal and ethical component. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 241 - Criminal Law II

(3) **Credit Hours** An in-depth study of the criminal justice process with focus on the actors, strategies, institutions and processes which constitute law enforcement and relates the events of major cases to academic literature and policies. **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 243 - Correctional Counseling & Communication

(3) **Credit Hours** Deals directly with necessary verbal, nonverbal and writing skills. It also emphasizes cross-cultural communications and presents practical skills exercises relating to all of the above. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 245 - Private Security

(3) **Credit Hours** This course provides a rigorous introductory foundation to the field of Private Security, including its development, philosophies, responsibilities and functions, plus its principles, legal authority, and effects on society. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 246 - Risk Management

(3) **Credit Hours** This course presents a rigorous introduction to the theoretical concepts of Risk Management, through various analytical concepts, survey techniques, insurance requirements, program development and operational activities, from a security practitioner's perspective. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 260 - Current Issues in Criminal Justice

(3) **Credit Hours** A required course which complements CJUS 101 Introduction to Criminal Justice; CJUS 103 Introduction to Corrections; CJUS 321 Juvenile Justice; and relates numerous current political and social issues to adult and juvenile corrections. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 265 - Class & Class Conflict

(3) **Credit Hours** Class, status, and power in social life. Systems of inequality examined within a cross-cultural perspective. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 266 - Crime & Personality

(3) **Credit Hours** Root causes of crime in the individual and in the culture. Consideration of personality dynamics and treatment approaches are major elements of this course. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 276 - Psychology of Delinquency

(2) **Credit Hours** An elective course dealing with types and causes of juvenile delinquency together with brief case history analysis. **Levels:** Graduate, Undergraduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 321 - Juvenile Justice

(3) **Credit Hours** A required course which emphasizes juvenile court philosophy and practices, prevailing case law, applicable federal and state legislation, historical and current trends and development of standards, alternatives to incarceration, and a comparison of the treatment of the juvenile offender in the juvenile justice system as opposed to the adult system. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 335 - Inside-Out Prison Exchange

(3) **Credit Hours** This course take a pedagogical approach to topics of crime, justice, social action and the role people inside and outside of correctional institutions play in shaping such matters. By bringing university students and correctional students together behind walls of an institution, this course is an opportunity for all participants to gain a deeper understanding of the criminal justice system through a marriage of theoretical knowledge and practical experience. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 350 - Treating Sex Offenders & Victims

(1) **Credit Hours** This workshop will explore treatment issues and approaches for working with sex offenders, victims, and other family members. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 364 - Overview of Contemporary Corrections

(3) **Credit Hours** Compares historical and contemporary methodologies, presents and critiques jail and prison programs, applies court decisions to current practices, and generally analyzes institutional and non-institutional corrections in relation to today's social and political realities. Staff and inmate rights and responsibilities are presented within the context of ethical and legal requirements. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 365 - Women in the Criminal Justice System

(3) **Credit Hours** This course is designed to explore the perceptions and treatment of women in and by the criminal justice system. Emphasis will be placed on how the images and portrayal of females in American society impacts on the manner in which they are treated as perpetrators of crime, victims of crime, and criminal justice professionals. Students will also gain an understanding of the historical treatment of women by the agents of the criminal justice system. **Course Attributes:** Gender & Diversity Studies Minor, Social Science-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 381 - Methods of Research in Criminal Justice

(3) **Credit Hours** This course is designed to acquaint students with basic research methodology that is useful in understanding criminological and criminal justice scholarship. By the end of the course the students should: (1) understand the language of research, (2) understand and apply the research process and data gathering strategies, (3) have a basic understanding of research appearing in professional journals. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 391 - Practicum / Ethics

(3) **Credit Hours** This practicum requires a minimum of 150 clock hours. Provides an opportunity for the student to integrate theory and concepts presents in the classroom with day to day reality and actual practice in the profession. **Prerequisites:** CJUS 101 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 392 - Criminal Justice Practicum II

(1 to 3) **Credit Hours** An elective, non-classroom, on-the-job experience which provides the student additional opportunity to integrate the theory and concepts presented in the classroom with day to day reality and actual practice of the profession. This practicum requires 150 clock hours. **Prerequisites:** CJUS 101 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 408 - Women & Societal Violence

(1) **Credit Hours** A historical perspective on violence against women. Modern day forms of violence against women and intervention will be studied. Prosecution of cases will be presented and treatment strategies for offenders will be explored. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 430 - Introduction to Rational Behavior Therapy

(0 to 2) **Credit Hours** Rational emotive behavioral therapy is a self-help form of counseling which teaches people how to increase their skill in reasoning so that they will be better able to deal with problems and stresses of daily living. It can enable normal people to improve their lives and disturbed people to regain emotional and mental health. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 439 - Criminalistics II

(3) **Credit Hours** Reviews the more intricate areas of anthropology, questioned documents, DNA processes, legalities of homicide scenes, and scientific applications of homicide. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 441 - Rational-Emotive Behavior Therapy II

(1) **Credit Hours** The course is designed to assist the graduate and undergraduate student in the intricacies of REBT theory, concepts, comprehension, and application. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 444 - Addictive Behaviors

(3) **Credit Hours** Examination of addiction theory and process through comparison of variety of substance and process addictions. **Prerequisites:** PSYC 101 Minimum Grade of D and SOCI 101 Minimum Grade of D and SOCW 167 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 449 - Criminalistics III

(3) **Credit Hours** This course is designed to familiarize the undergraduate and graduate student in specific areas of forensic science. The areas included in this course are forensic psychology, drug analysis, hostage negotiation techniques, legal considerations in crime scene investigations and reconstruction of accident/crash scenes. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 463 - Counseling Challenging Youth

(1) **Credit Hours** Workshop participants will learn a number of practical strategies for building and maintaining therapeutic relationships with challenging youth and families. The strategies will be formatted around six guiding principles common to most human services professionals who successfully engage this population.

Participants will be challenged to assess their own attitudes, beliefs, and behaviors related to challenging youth via lecture, demonstrations, small group activities, and role plays. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 499 - Special Readings in Criminal Justice

(1 to 3) **Credit Hours** A selective number of texts, periodicals, research papers, etc., related directly to areas of criminal justice are reviewed and student reports critiqued. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 566 - Crime & Personality

(3) **Credit Hours** Root causes of crime in the individual and in the culture. Consideration of personality dynamics and treatment approaches are major elements of this course. **Restrictions:** Graduate students only **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 599 - Special Readings

(1 to 3) **Credit Hours** Reviews the current criminal justice literature in areas of research, treatment, management, law, and forensic science within the criminal justice arena. **Restrictions:** Graduate Students only **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 606 - Criminology

(3) **Credit Hours** Presents and analyzes multiple theories in the etiology of crime; both internal and external theories of causality are explored; presents and contrasts several societal reactions to crime; and critically evaluates numerous contemporary methodologies. Learning Theories, Subcultural Theories, Theories of Limited Opportunity Structure, etc., are examined to enhance student's understanding of typologies of offender behavior and offense types. Offenders with special needs, cultural diversity, women's issues and chemical dependency are all presented in relation to the crime complex in America today. **Restrictions:** Graduate students only **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 608 - Community-Based Corrections

(3) **Credit Hours** Theory and practice in non-institutional model. **Restrictions:** Graduate students only **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 610 - Basic Constitutional Law & American Justice

(3) **Credit Hours** Studies the ratification and incorporation of the Bill of Rights. Examines judicial review, the jurisdiction and organization of federal and state court systems and the Fourth, Fifth, Sixth and Fourteenth Amendment provisions relevant to law enforcement and judicial process. **Restrictions:** Graduate students only **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 611 - Law & Justice in America

(3) **Credit Hours** Presents legal issues in all three segments of the American criminal justice system. Constitutional and statutory rights and obligations are considered along with policy considerations. Major emphasis in the course is placed on student initiative in learning. Therefore, it is strongly recommended that CJUS 610, Basic Constitutional Law & American Justice or its equivalent be completed before enrolling in this course. **Restrictions:** Graduate students only **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 620 - Sociology of Crime & Delinquency

(3) **Credit Hours** Social foundations of the criminal justice system are examined, along with the social causation of crime and societal response. The understanding of crime within the social context is presented along with in-depth exploration of cross-cultural, subcultural and other demographic expositions. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 621 - Juvenile Justice

(3) **Credit Hours** Critiques the development of social control of child behavior in the U.S. from its historical roots to contemporary times. Presents and analyzes legal trends in juvenile court and correctional operations and evaluates contemporary practice and methodology in the juvenile justice system and in the adult system. Landmark legal cases and their impact on current practice are discussed. Concepts such as waiver, status offenders, and violence in contemporary society are given special attention in relation to their ethical and legal dimensions. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 630 - Legal Aspects of Corrections

(3) **Credit Hours** Explores the structure and function of the Federal and State criminal court systems from institutional and behavioral perspectives, First, Sixth, Eighth and Fourteenth Amendment provisions relevant to law enforcement, judicial process and corrections. Ethical aspects are considered, especially the rights and obligations of correctional staff. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 642 - Criminal Justice Administration

(3) **Credit Hours** Presents organizational and management theories and practices within criminal justice settings. Management styles, management by objectives, total quality management etc., are all related to issues of contemporary practice in prisons, probation, and parole and juvenile justice. Legal and ethical considerations are related to actual practice situations. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 643 - Correctional Counseling & Communication

(3) **Credit Hours** Deals directly with the necessary verbal, nonverbal, and writing skills. It also emphasizes cross-cultural communication and presents practical skill exercises relating to all of the above. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 645 - Private Security

(3) **Credit Hours** This course provides a rigorous introductory foundation to the field of Private Security, including its development, philosophies, responsibilities and functions, plus its principles, legal authority, and effects on society to the present state. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 646 - Risk Management

(3) **Credit Hours** This course presents a rigorous introduction to the theoretical concepts of Risk Management, through various analytical concepts, survey techniques, insurance requirements, program development and operational activities, from a security practitioner's standpoint. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 660 - Current Issues in Criminal Justice

(3) **Credit Hours** Relates numerous current political and social issues to adult and juvenile corrections. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 664 - Overview of Contemporary Corrections

(3) **Credit Hours** Compares historical and contemporary methodologies; presents and critiques jail and prison programs and practices including issues of security, classification, etc., applies pertinent court decisions to current practices and generally analyzes institutional and non-institutional corrections in relation to today's social and political realities. Staff and inmate rights and responsibilities are presented with both their legal and ethical dimensions. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 676 - Psychology of Delinquency

(2) **Credit Hours** An elective course dealing with types and causes of juvenile delinquency together with brief case history analysis. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 683 - Research & Planning in Criminal Justice

(3) **Credit Hours** This course provides students with the working knowledge of research methods necessary to complete their final Master's project. As such, topics related to the issue of causation, sampling, measurement, and data collection/analysis will be explored and practically applied. Comprehension of the material will enable students to evaluate research studies and policy with a more critical eye. Moreover, comprehension of course material will allow students to write quality research projects. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 784 - Research Essay: Seminar

(3) Credit Hours CJUS 784 is an extension, by application, of Research and Planning in criminal Justice. As such, the major objective for this course is to provide students with the individual guidance needed to perform basic research, and complete their graduate thesis. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CJUS 792 - Internship

(3) Credit Hours Non-classroom program of 150 clock hours placement in correctional, law enforcement, or court setting under academic supervision gives student opportunity to actually apply criminal justice theory, knowledge and intervention skills in the "real world" of law enforcement, court or correctional practice. Opportunity is presented to acquire understanding of the criminal justice complex and the service delivery system in the community. This "hands-on" experience enables students to begin to appreciate the need for functional professional relationships, differing organizational needs within the institutional or non-institutional setting, and especially to evaluate their own response to the demands and challenges of actual work in a correctional setting. This is an essential part of the student's program and is absolutely required and can never be waived for graduation from the program. **Levels:** Graduate *College of Social Sciences, Health and Education Criminal Justice*

CLAS 101 - Ancient Mediterranean Civilization I: Greece

(3) Credit Hours An introduction to the methodologies of ancient historical study and an account of the growth and development of ancient Greek civilization from the prehistoric to the Roman era. **Course Attributes:** History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 102 - Ancient Mediterranean Civilization: Rome

(3) Credit Hours An introduction to the methodologies of ancient historical study and an account of the growth and development of ancient Roman civilization from its archeological and legendary beginnings through the Roman republic into the time of the emperors. **Course Attributes:** History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 120 - From Homer to Plato

(3) Credit Hours This course provides an understanding of the development of ancient Greek culture and history by examining the values, customs, institutions, and major historical events that shaped the Greek world, in particular Athens and Sparta, through primary and secondary source readings. An important goal is to gain insight into the Greek origins of key social, political, and cultural ideas and concepts that have contributed to the formation of Western civilization. **Course Attributes:** History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 121 - From Alexander to Cleopatra

(3) Credit Hours This course is designed to continue the investigation of the ancient Greek world, as the Greeks begin to spread across the Levant into the Middle East (momentarily as far as India). Many of the social, political, and cultural ideas and concepts developed by the Greeks that were studied in CLAS120 will continue to be explored for their contribution to the formation of Western civilization. **Prerequisites:** CLAS 210 Minimum Grade of D **Course Attributes:** History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 130 - Epic & Adventures of Heroes

(3) Credit Hours An inquiry into the epic genre, the epic hero, and epic values through a careful reading of several ancient and medieval poems. **Course Attributes:** Literature-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 142 - Classical Tragedy

(3) Credit Hours A study of the tragic form, its poetry, and its use of myth through a careful reading of several plays of Aeschylus, Sophocles, Euripides, and Seneca. **Course Attributes:** Literature-University Core, Theatre Minor **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 146 - Classical Comedy & Satire

(3) Credit Hours A study of ancient classical writings, comedies, which were presented on the stage, and satirical poems. **Course Attributes:** Literature-University Core, Theatre Minor **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 160 - From Romulus to Octavian

(3) **Credit Hours** This course aims to provide students with an understanding and appreciation of the roots of Western civilization by exploring the culture of the ancient Romans. The purpose of this course is to build an appreciation of early Roman culture and life through a study of its history, government, social changes, and prominent personalities. **Course Attributes:** History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 161 - From Augustus to Attila

(3) **Credit Hours** This course aims to provide students with an understanding and appreciation of the roots of Western civilization by exploring the politics and culture of the Roman Empire. This complex period of history will be examined through a study of its history, government, social changes, and prominent personalities. **Prerequisites:** CLAS 160 Minimum Grade of D **Course Attributes:** History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 170 - Ancient Egypt & Nubia

(3) **Credit Hours** The purpose of this course is to acquaint the students with the richness and complexity of the history of Egypt, particularly looking at how its relations with its neighbors changed over time as it looked first in one direction and then another for commercial and political links. **Course Attributes:** Gender & Diversity Studies Minor, History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 171 - Near Eastern Civilization II: Bible Lands

(3) **Credit Hours** The purpose of this course, one which should be key for an institution such as Xavier, is to explore the integrated histories of the lands of the Bible. Students will read, hear, speak, and write about the history of the early civilizations which jockeyed for power and control of the two great commercial-military prizes: ports on the Mediterranean and control of the Tigris-Euphrates catchments. **Prerequisites:** CLAS 170 Minimum Grade of D **Course Attributes:** History-University Core **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 173 - Introduction to Biblical Hebrew

(3) **Credit Hours** The purpose of this course is to provide basic instruction in the grammar, vocabulary, and syntax of Hebrew. This course is Classical Hebrew for students of the Old Testament who want to read and translate the Hebrew Bible, use a critical edition, and consult dictionaries, grammars, concordances, and commentaries. **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 174 - Readings in Biblical Hebrew

(3) **Credit Hours** The purpose of this course is to provide basic instruction in the grammar, vocabulary, and syntax of Hebrew. This course is Classical Hebrew for students of the Old Testament who want to read and translate the Hebrew Bible, use a critical edition, and consult dictionaries, grammars, concordances, and commentaries. **Levels:** Undergraduate *College of Arts and Sciences Classics*

CLAS 205 - Classical Literature & Moral Imagination

(3) **Credit Hours** An examination of ethical and social issues drawn from the Greco-Roman past which illuminate contemporary society. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D and ENGL 101 Minimum Grade of D or ENGL 115 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 210 - Word Origins & Vocabulary Development

(3) **Credit Hours** This is a course on the etymology of English words, especially those of classical (Greek or Latin) origin. It introduces students to some basic principles of word formation, the history of the English language, and the influence of other cultures on their own. Emphasis is placed on medical, legal, and scientific terminology. **Course Attributes:** Literature-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 211 - The Dead Sea Scrolls

(3) **Credit Hours** To introduce undergraduates to the Dead Sea Scrolls (DSS), their history, their (mis-?) representation in the popular media, the scandal surrounding them, what English translations of them are available, and what is currently being done with them. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 217 - Introduction to the Church Fathers

(3) Credit Hours The first centuries of Christianity as reflected in the patristic writers. The chief Fathers. The evolution of doctrine. The unfolding of revelation. The consciousness of the indwelling spirit. **Course Attributes:** Catholicism & Culture Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 239 - Ancient Literature, Magic & the Occult

(3) Credit Hours This course focuses on the influence myth and magic had on the Greco-Roman cultures. The interrelation between ritual magic, derivative superstition, and women is a major component of this course. Emphasis will be placed on the study of witchcraft, the correlation between magic and religion, the influence of the occult on ritual, and the psychology of magic. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 240 - World Mythology

(3) Credit Hours The western tradition will be examined through in-depth comparative studies of classical mythology with the mythologies of the world (myths from but not limited to Asia, Central, South, and North America, Africa, the Near East, and Polynesia). This course emphasizes understanding mythologies as symbolic cultural systems expressing societal values. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 241 - Classical Mythology: Art

(3) Credit Hours A study of ancient classical myths, primarily through artifacts and works of art, highlighting the meaning and influence of its myths. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 242 - Classical Mythology: Literature

(3) Credit Hours A study of the ancient classical myths, primarily through its surviving literature, highlighting the meaning and influence of its myths. **Course Attributes:** Literature-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 245 - Myth and Film

(0 to 3) Credit Hours An examination of the great influence of Greco-Roman mythology on the modern cinema. The course focuses on how the films we view enhance the mythic stories being presented through artistic manipulation of visual images and sound. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 251 - Near Eastern Mythology: Art

(3) Credit Hours The major monuments of the ancient Near East are explored as a backdrop to the art, history, and literature of Near Eastern cultures. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 252 - Near Eastern Mythology: Literature

(3) Credit Hours The major literary works of the ancient Near East are explored as a backdrop to the art, history, and literature of Near Eastern cultures. **Course Attributes:** Literature-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 261 - Greek Archaeology

(3) Credit Hours The major monuments of Greek antiquity explored as a backdrop to the art, history, and literature of ancient Greece. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 262 - Roman Archaeology

(3) Credit Hours The major monuments of Roman antiquity explored as a backdrop to the art, history, and literature of ancient Rome. **Course Attributes:** Social Sciences-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 371 - Art/Archaeology/Economic/Sociology-Late Antiquity

(3) Credit Hours A study of the coexistence of several religious and ethical systems, highlighting symbiosis and cross-fertilization. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 372 - Women in Antiquity

(3) Credit Hours A multi-media study of the lives of Greek and Roman women and minorities organized around topics and issues of contemporary interest. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective, Gender & Diversity Studies Minor, Literature-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 397 - Directed Study

(1 to 3) Credit Hours Credit and content of course by advance agreement between the professor and student. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 398 - Capstone Preparation

(0) Credit Hours This is the first part of the senior thesis/pre-seminar course that fulfills the Capstone Course requirement necessary for the completion of the Honors Bachelor of Arts curriculum. This course has as its goal the preparation of the thesis mandated for the completion of the HAB curriculum. This course will serve two purposes: (1) to prepare the student practically for the thesis in such areas as format, deadlines, selection of director and committee, presentation, organizing content, style, expectation, etc.; and (2) to help the student research and reflect on/discuss areas related to ideas and subject matter previously studied throughout the HAB program. **Prerequisites:** Honors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

CLAS 399 - Honors Bachelor of Art (HAB) Capstone Thesis

(1 to 3) Credit Hours Senior thesis/pre-seminar course. **Prerequisites:** CLAS 398 **Restrictions:** Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

COMM 101 - Oral Communication

(3) Credit Hours Speech fundamentals as applied to public speaking and listening skills. Develops conceptual understanding of basic communication principles and the ability to think theoretically and understand the process of developing theory. Encompasses communication in the context of related areas. **Levels:** Undergraduate *College of Arts and Sciences Communication Arts*

COMM 123 - Survey of Mass Media

(3) Credit Hours Examines the history, structure, and organization of media industries, including print, electronic media, and the World Wide Web. Includes discussion of law and policy, effects, and the media's role in a democratic society. **Levels:** Undergraduate *College of Arts and Sciences Communication Arts*

COMM 197 - A Social & Cultural History of American Movies

(2) Credit Hours Hollywood has always taken historical themes for some of its most ambitious projects, a trend that has become even more pronounced in the past decade. What has not always been understood is that Hollywood and the development of the American movie industry has been a central element in the social and cultural history of 20th century America. Thus, this workshop has two purposes: to critically examine various film images of American history and equally important, to place Hollywood and its products in the larger context of 20th century American history. **Levels:** Undergraduate *College of Arts and Sciences Communication Arts*

COMM 199 - Special Study

(1 to 3) Credit Hours An in-depth study of a specific topic or area in communication. Requires permission of advisor/Chair **Levels:** Undergraduate *College of Arts and Sciences Communication Arts*

COMM 206 - Writing for the Media

(3) Credit Hours Introductory level course on writing for the media, including public media and controlled media, in print, broadcast or online form. Develops skills in journalistic, news-style writing and feature writing, as well as other styles used in advertising, news and public relations. Workshop/laboratory setting with deadline writing experience. **Prerequisites:** ENGL 101 Minimum Grade of D or ENGL 115 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 207 - Interpersonal Communication

(3) **Credit Hours** Understanding of and classroom practice in effective communication between persons. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 209 - Group Dynamics

(3) **Credit Hours** Dynamic and participative strategies in group process skills. Learn by participating and doing. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 210 - Art of Film

(3) **Credit Hours** Film as a modern art form, treating motion, sound, editing, light, acting, director's style, and film analysis. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 211 - Media Literacy

(3) **Credit Hours** Designed to help students become more intelligent and discriminating consumers of media. Develops the ability to analyze, assess, and critically evaluate media texts, images, sounds and representations. Develops awareness and understanding the media's role in news, entertainment, ideology, and power. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 213 - Non-Fiction Film

(3) **Credit Hours** Development of the nonfiction film from Flaherty to "cinema of truth." Current documentaries on controversial topics will be stressed. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 214 - Film Criticism

(3) **Credit Hours** Cultivating criteria for judging film from viewing and analysis. Leading theories will be discussed. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 216 - Photography I

(3) **Credit Hours** Introduction to photography, composition, pictorial arrangement, techniques in shooting. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 230 - Principles of Advertising

(3) **Credit Hours** A comprehensive examination of the advertising process and the principles involved in its preparation and production. Focus is on the three major components of advertising: the audience, the message, and the channels. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 235 - Desktop Imaging

(3) **Credit Hours** Students will be given a basic knowledge of and hands-on training in the use of Adobe Photoshop software. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 237 - Elements of Copy and Design

(3) **Credit Hours** Provides fundamental knowledge and skill in advertising copywriting, layout and design. Course topics will include interpreting target audiences, creative concept formulation, advertising copywriting, design and layout. The vocabulary and language associated with graphic design/advertising and production processes will be covered. Students will develop a variety of sample advertisements during the course. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 247 - Understanding New Media

(3) Credit Hours Explores the concepts and theories pertaining to the Internet and other new media technologies, their role in the communication process, and their consequences for society and culture. Issues addressed: content (news to hate speech to pornography), effects (i.e., Internet addiction), commerce (i.e., online shopping and advertising), and democracy (i.e., the digital divide). This course is intended for anyone interested in making sense of new media. Although the ability to use the Internet is expected, this is not a course on how to design web pages or how to improve your surfing skills. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Communication Arts

COMM 250 - Screenwriting and Story Craft

(3) Credit Hours Screenwriting focuses on the conceptualization, design, organization, communication strategies, and formatting of messages and experiences for television and film. Story craft focuses on the components of storytelling including drama, narrative and scene development, characterization, and literary techniques that apply to scriptwriting. **Prerequisites:** COMM 206 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 254 - Production I

(3) Credit Hours Revolves around whole-systems thinking, including the design and development of "live," script-to-screen segments and programs. Skills are developed in the areas of scripting, directing, technical directing, camera operation, floor management, lighting, audio, and video recording. Industry roles & responsibilities are treated, including the strategies for gaining entrance. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate
College of Arts and Sciences Communication Arts

COMM 260 - Organizational Communication

(3) Credit Hours Organization theories and key concepts provide the framework for addressing contemporary communication issues and how these issues affect individual, group, and organization performance and effectiveness. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 264 - Persuasion

(3) Credit Hours Teaches consumers of information how to analyze, respond to, and generate persuasive messages. A variety of organizational contexts are examined, including politics, business, religion, and advertising. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 270 - Principles of Public Relations

(3) Credit Hours An overview of the theories and practices of public relations, its function in organizations, its history and development, and its role in society. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 271 - Public Relations Writing

(3) Credit Hours Develops skills in public relations writing, primarily for print media, including both public media and controlled media; laboratory approach includes writing with a computer. Pre-requisite: ENGL 101 or ENGL 115 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 280 - Alfred Hitchcock in Hollywood

(2 or 3) Credit Hours This course is designed for undergraduates and serves as both an in-depth investigation of a major artist and an exploration of American attitudes and institutions during World War II, the Cold War, and the upheavals of the 1960s and early 70s. Students are required to do a significant amount of reading and writing. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 297 - America Through the Lens

(2 or 3) Credit Hours Films and television programs will be analyzed in order to both identify the cultural and historical messages they contain. The formulas and conventions of Hollywood genres will be examined. This understanding of genre will serve as a primary analytical tool as we de-construct the films and television programs studied in class. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 299 - Special Study

(1 to 3) Credit Hours An in-depth study of a specific topic or area in communication. Requires permission of advisor/Chair. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Communication Arts

COMM 301 - Presentational Speaking

(3) **Credit Hours** Preparation and delivery of oral presentations for business and professions. Emphasizes persuasion, evidence, organized sequences, and uses of multimedia aids. **Prerequisites:** COMM 101 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 310 - The Horror Film

(3) **Credit Hours** An analysis and history of the horror film, with attention to the myths behind the subject matter. Gender related issues will be emphasized. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 323 - Race, Class, Gender & the Media

(3) **Credit Hours** Critically examines the role of the media in enabling, facilitating, or challenging the social constructions of race, class, and gender in our society. Students will acquire analytical skills to explore race, class, and gender issues in media organizations and understand diverse audiences' responses to media representations. They will also learn about some different theories and approaches to doing research on race, class, and gender, and the mass media and develop the ability to speak and write honestly and sensitively about race and gender. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 327 - Interpersonal Conflict Management

(3) **Credit Hours** An examination of the process and nature of conflict, and an evaluation of various conflict styles. Explores ways of examining and applying conflict management styles in organizational contexts, the principles of negotiation and mediation, and how to apply and evaluate techniques of negotiation and mediation. **Course Attributes:** Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 329 - Audience Survey and Research

(3) **Credit Hours** Examination and survey of gathering, analysis and the uses of audience-related information to create effective messages and campaigns. Review of design, sampling, data collection and statistical analysis. This course reviews quantitative and qualitative research methods most commonly used in the field of communication including broadcast ratings and other syndicated research. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 332 - Media Strategies in Advertising

(3) **Credit Hours** A study of the characteristics of the various communication media and the methods employed in measuring their relative efficiencies in delivering the advertising message to the target audiences. **Prerequisites:** COMM 329 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 334 - Issues in Advertising

(3) **Credit Hours** Designed to foster a critical understanding of advertising and promotion as an institution, and its role in communication, society, culture, and our economy. Topics include the continuing dialogue between supporters and critics, confronting issues related to the institution's ethical conduct, regulatory issues, and social responsibility. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 340 - Audio Production & Technology

(3) **Credit Hours** Technical and theoretical basis. Techniques of tape editing, special effects, commercial production, and documentary production. Lab. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 354 - Production II

(3) **Credit Hours** Producing video on-location from a script. News, interview, documentary, corporate, and film-style productions are covered, along with the requisite skills in directing, teamwork, camera operation and aesthetics, sound recording, lighting, and non-linear editing. Throughout, the emphasis is on the whole-systems thinking and effective communication. **Prerequisites:** COMM 254 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 360 - Advanced Organizational Communication

(3) **Credit Hours** Critical case study analysis of communication processes and practices. Along with the analysis, students will be expected to construct proposals for interventions. Explores contemporary organizational communication theories. Students will learn the Case Analysis Method and how to apply behavioral

interviewing methods for employment and performance appraisals. **Prerequisites:** COMM 260 Minimum Grade of D **Levels:** Undergraduate, Graduate
College of Arts and Sciences Communication Arts

COMM 362 - Organizational Communication Research

(3) **Credit Hours** Offers a basic understanding of the methods used to test hypotheses and answer research questions in organizational communication research. Study of how to use focus groups, surveys, and communication audits, how to construct a basic research study, how to critically evaluate industry and academic research, and how to select and evaluate appropriate methodology for a variety of research questions. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 363 - Written Communication in Organizations

(3) **Credit Hours** Concepts which guide the writing of organizational communication professionals and practical application of those concepts. Standards of correctness are expected. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 371 - Advanced Public Relations Writing

(3) **Credit Hours** Develops advanced writing skills for public relations programs; gives particular attention to backgrounds, brochures, handbooks, annual and quarterly reports, and scripts for broadcast, AV and film. **Prerequisites:** COMM 271 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 372 - Junior Seminar: Publics in Public Relations

(3) **Credit Hours** A comprehensive seminar course about publics. Students will study a theory of publics and organizational environments that shows how publics arise and become active to the extent that they create a public relations problem for an organization. **Prerequisites:** COMM 270 Minimum Grade of D
Restrictions: Juniors or Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 375 - Feature Writing for Publication

(3) **Credit Hours** Develops skill in writing feature articles for print media. **Prerequisites:** ENGL 101 or ENGL 115 **Restrictions:** Juniors or Seniors Only
Levels: Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 385 - Media, Democracy and the Public

(3) **Credit Hours** This course examines the role mass media play in creating and sustaining a democratic and civil society. The major emphasis of the course is to understand the current state of the media and their impact on the citizenry and democratic institutions. The course also reviews the historical turning points that gave birth to major media institutions and scrutinizes the role media played to convert the "public" into "masses." **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 398 - Communication Internship I

(3) **Credit Hours** Internship I provides Communication Arts students in any of the department's majors with hands-on experience in a professional setting related to the major. Students must secure approval for the internship from the department chair prior to beginning the internship. Pre-requisites: Communication Arts major, junior or senior status, and 15 hours of applicable COMM courses completed before the semester in which the student registers for the internship. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 399 - Special Study

(1 to 3) **Credit Hours** An in-depth study of a specific topic or idea in communication. Requires permission of advisor/Chair. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Communication Arts

COMM 426 - Media Law & Policy

(3) **Credit Hours** Examines laws, statutes and policies as they apply to mass media. This course is designed to provide the student with an understanding of rationale and origins of laws and the policy making process, the challenges policy makers and court systems face forming, implementing and interpreting laws and statutes. Special emphasis will be paid to First Amendment, copyright, trademark and patent issues as they apply to the media and the workings of FCC and FTC.
Restrictions: Juniors or Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 430 - Creative Strategies in Advertising

(3) **Credit Hours** A study of the theoretical foundations and the process of developing advertising and promotional strategy; methods of utilizing research data for developing and evaluating advertising strategy. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 439 - Senior Seminar in Advertising: Campaigns

(3) **Credit Hours** The capstone advertising course requiring the student to prepare and produce a complete general advertising campaign utilizing concepts learned in previous advertising courses. **Prerequisites:** COMM 332 Minimum Grade of D **Restrictions:** Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 451 - Introduction to Video Graphics

(3) **Credit Hours** Creative elements of conceptualizing, generation, and 2D animation within a high resolution paint system. Integration of paint system with live/video and character generation. **Course Attributes:** Fine Arts-University Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 452 - Aesthetics & Techniques of Post-Production

(3) **Credit Hours** Rules and principles involved in the art of video post-production. Through practice and hands-on instruction, this course explores cinematic grammars and a variety of storytelling strategies and techniques. **Prerequisites:** COMM 250 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 459 - Senior Seminar in Electronic Media Advanced Production

(3) **Credit Hours** This capstone course calls into play the full range of theoretical knowledge, creativity, skills, and talents that students developed in the lower-level production courses. Students design and produce professional quality, scripted videos or a whole program. **Prerequisites:** COMM 452 **Restrictions:** Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 469 - Senior Seminar: Organizational Communication

(3) **Credit Hours** The capstone course of the organizational communication major, this course asks students to use and reflect on the theories and skills they have learned throughout the major to complete a senior project. **Prerequisites:** COMM 360 Minimum Grade of C **Restrictions:** Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 477 - Public Relations Ethics in Society

(3) **Credit Hours** A comprehensive course that examines the major ethical and legal principles that guide the responsible practice of public relations in American society. **Prerequisites:** COMM 270 Minimum Grade of D **Restrictions:** Communication Arts Juniors or Seniors only **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 479 - Senior Seminar: Public Relations Management

(3) **Credit Hours** Presents management theories and techniques as applied to public relations activities and functions; workshop approach provides students skills for developing public relations campaigns. Requires 18 hours of previous work in public relations major, including COMM 270 and Senior status. **Prerequisites:** COMM 270 **Restrictions:** Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 498 - Communication Internship II

(3) **Credit Hours** Internship II provides Communication Arts students in any of the department's majors with advanced hands-on experience in a professional setting related to the major. Students must secure approval for the internship from the department chair prior to beginning the internship. **Prerequisites:** COMM 398 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

COMM 499 - Special Study

(1 to 3) **Credit Hours** An in-depth study of a specific topic or area in communication. Requires permission of advisor/Chair. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Communication Arts*

CSCI 170 - Computer Science I

(3) **Credit Hours** This course is an overview of computer science. Topics include problem solving and algorithms, machine architecture, operating systems, assembly language, higher level programming languages, compilers, limits of computation, networking, applications, and social/ethical issues. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 174 - Programming in "C"

(1) **Credit Hours** Introduction to the basic syntax of C through a series of weekly two-hour laboratory exercises and programming projects. **Prerequisites:** CSCI 170 Minimum Grade of D and CSCI 180 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 175 - C/C ++

(3) **Credit Hours** Structured programming and problem solving. Data manipulation, functions, arrays, structures, pointers, and files. Fundamental algorithms. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 180 - Computer Science II

(3) **Credit Hours** Program design: advanced syntax of a programming language; dynamic memory; recursion; sorting; searching; stacks; queues; social and ethical issues related to software design and reliability. **Prerequisites:** CSCI 170 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 181 - Computer Science Lab

(1) **Credit Hours** Introduction to the syntax of a programming language and to program design techniques. **Co-requisites:** CSCI 180 **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 210 - Machine Organization & Assembly Language

(3) **Credit Hours** Machine level representation of data, assembly level machine organization, memory system organization and architecture, number representation and errors, assembly language. **Prerequisites:** CSCI 170 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 220 - Data Structures & Algorithms

(3) **Credit Hours** Trees, hashing, advanced sorts, numerical algorithms, algorithm analysis, algorithm design and problem solving strategies. **Prerequisites:** CSCI 180 Minimum Grade of D and (MATH 180 Minimum Grade of D or MATH 225 Minimum Grade of D) **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 250 - Languages & Automata

(3) **Credit Hours** Finite-state-automata and regular expressions, context-free grammars, pushdown automata. Turing machines, computability and undecidability, complexity classes. **Prerequisites:** MATH 180 Minimum Grade of D or MATH 225 Minimum Grade of D and CSCI 170 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 260 - Software Engineering

(3) **Credit Hours** Software development process; software requirements and specifications; software design and implementation; verification and validation. **Prerequisites:** CSCI 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 300 - Programming Languages

(3) **Credit Hours** History of programming languages; virtual machines; sequence control; data control; scoping; parameter passing; sharing and type checking; run-time storage management; programming language semantics; programming paradigms. Includes a brief introduction to several different languages as examples of paradigms. **Prerequisites:** CSCI 220 Minimum Grade of D and CSCI 250 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 310 - Compiler Construction

(3) **Credit Hours** Study of grammars, syntax, semantics, interpreters, and compilers. Including the construction of a simple language and a compiler/interpreter. **Prerequisites:** CSCI 220 Minimum Grade of D and CSCI 250 Minimum Grade of D and CSCI 260 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 320 - Operating Systems

(3) **Credit Hours** Operating system software and hardware design and implementation; tasks and processes; process coordination, synchronization, and scheduling; physical and virtual memory organization; file systems and naming; security and protection. **Prerequisites:** CSCI 210 Minimum Grade of D and CSCI 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 321 - Numerical Analysis

(3) **Credit Hours** Accuracy; function evaluation and approximation; systems of linear equations; nonlinear equations; numerical differentiation and integration; solutions to differential equations. **Prerequisites:** CSCI 170 Minimum Grade of D and MATH 171 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 335 - Databases

(3) **Credit Hours** Database systems are the software systems used to manage large volumes of data. The principles of database systems, hardware characteristics, file organization and evaluation, data models, database schemas, etc., are studied from both a theoretical and practical viewpoint. The emphasis will be on solving the problems encountered in designing and using a database system, regardless of the underlying hardware and operating system on which the database system will run. **Prerequisites:** CSCI 210 Minimum Grade of D and CSCI 220 Minimum Grade of D and MATH 180 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 340 - Networking

(3) **Credit Hours** Principles of abstraction underlying modern networks with an emphasis on the technologies underlying the Internet. Applications, transport protocols, routing protocols, network protocols and link protocols will be covered. Problem solving, including programming, at all layers of the networking model will be emphasized. **Prerequisites:** CSCI 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 350 - Advanced Algorithms & Theory

(3) **Credit Hours** Advanced algorithm design and analysis of algorithms; NP-Completeness, parallel algorithms; heuristic techniques for intractable problems. **Prerequisites:** CSCI 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 370 - Artificial Intelligence

(3) **Credit Hours** Methods of problem solving in artificial intelligence. Heuristics, evaluation functions, search strategies, and a survey of AI projects. Introduction to LISP or other language used for AI programming. **Prerequisites:** CSCI 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 380 - Topics in Computer Science

(1 to 3) **Credit Hours** Advanced computer science topics, specified by instructor. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 390 - Senior Seminar & Project

(2 or 3) **Credit Hours** Design, implementation, documentation, and presentation of a significant computer science project. **Restrictions:** Computer Science Seniors only **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 395 - Co-Op Education in Computer Science

(3) Credit Hours Integrates professional work experience with classroom training by providing students with advanced hands on work experience in a real software engineering environment under the direct supervision of a professional software developer. Student must meet Co-Op program requirements and have the approval of their departmental advisor. **Prerequisites:** CSCI 170 Minimum Grade of D and CSCI 180 Minimum Grade of D and CSCI 181 Minimum Grade of D and CSCI 210 Minimum Grade of D and CSCI 220 Minimum Grade of D and CSCI 260 Minimum Grade of D and COMM 207 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

CSCI 397 - Special Reading in Computer Science

(3) Credit Hours Credit by arrangement with instructor. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

ECON 200 - Microeconomic Principles

(3) Credit Hours Principles governing the efficient allocation of the nation's scarce resources. Economic behavior of consumers, producers, and resource owners. **Course Attributes:** Environmental Studies Minor, Social Science-University Core **Levels:** Undergraduate *Williams College of Business Economics*

ECON 201 - Macroeconomic Principles

(3) Credit Hours Economic activity of the economy as a whole. The role of public policy in relation to issues of full employment, price stability, economic growth, government finance, and international trade. **Prerequisites:** ECON 200 Minimum Grade of D **Course Attributes:** Social Science-University Core **Levels:** Undergraduate *Williams College of Business Economics*

ECON 209 - Economics and Public Issues

(3) Credit Hours Analysis of a series of public issues from economic and ethical perspectives. ECON 209 does not count as either an economics elective or a business elective, but does count as an E/RS Focus elective. **Prerequisites:** PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective, Social Science-University Core **Levels:** Undergraduate *Williams College of Business Economics*

ECON 300 - International Trade & Business Environment

(3) Credit Hours An analysis of International Trade and Finance; the behavior of the multinational enterprise; the impact of the global economy on traditional business strategies. **Prerequisites:** ECON 201 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 303 - Co-Op Education/Economics: Jr

(3 to 6) Credit Hours An elective cooperative experience where students earn academic credit while performing approved economic-related work experience. Students must have 55 credit hours completed, 2.750 GPA, and departmental approval. **Prerequisites:** MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 305 - Microeconomic Analysis

(3) Credit Hours An in-depth study of consumer behavior, production costs, the firm, market structure, factor markets, and general equilibrium analysis. **Prerequisites:** ECON 201 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 306 - Macroeconomic Analysis

(3) Credit Hours Theoretical foundations of macro models integrating real and monetary sectors in both open and closed economies. Controversies in modern macro theory, with emphasis on business cycle theory. **Prerequisites:** ECON 201 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 315 - History of Economic Thought

(3) Credit Hours Ideas and theories of major contributors to economic thought, including, Smith, Mill, Marx, and Keynes. Primary sources will be used. **Prerequisites:** ECON 201 Minimum Grade of D and PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective, Social Science-University Core **Levels:** Undergraduate *Williams College of Business Economics*

ECON 320 - Natural Resource Economics

(3) Credit Hours Economic analysis of managing the environment and allocating natural resources. Historical roots and ethical consequences of existing problems and policies are explored. **Prerequisites:** ECON 200 Minimum Grade of D and PHIL 100 Minimum Grade of D and THEO 111 Minimum Grade of D **Course Attributes:** Environmental Studies Minor, ERS Focus Elective **Levels:** Undergraduate *Williams College of Business Economics*

ECON 323 - Introduction to Mathematical Economics

(3) Credit Hours Synthesis of mathematical techniques and economic theory. A mathematical review of economic models, static equilibrium, comparative statics, optimization, dynamic analysis, and mathematical programming. **Prerequisites:** ECON 201 Minimum Grade of D and MATH 150 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 330 - Comparative Economic Systems

(3) Credit Hours Study of systemic properties of alternative capitalist, socialist, traditional, and utopian economies. **Prerequisites:** ECON 201 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 340 - U.S. Economic History

(3) Credit Hours Economic evolution of the U.S. from colonial times to the present. **Prerequisites:** ECON 201 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 341 - Economy of Developing Countries

(3) Credit Hours Analysis of the main problems of developing countries, methods of generating growth and development, and consideration of the international distribution of wealth. **Prerequisites:** ECON 201 Minimum Grade of D **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate *Williams College of Business Economics*

ECON 390 - Topics in Economics

(3) Credit Hours Selected problems. Examples include: energy, natural resource, environmental and urban economics. May be taken for credit more than once. **Prerequisites:** ECON 201 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 403 - Co-Op Education/Economics: Sr

(3 to 6) Credit Hours An elective cooperative experience where students earn academic credit while performing approved economic-related work experience. Students must have 55 credit hours completed, a 2.750 GPA, and departmental approval required. **Prerequisites:** MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 410 - Empirical Analysis in Economics

(3) Credit Hours The construction and testing of economic models. Emphasis given to linear regression techniques, special problems in estimating economic relationships, and interpretation of results. **Prerequisites:** ECON 305 Minimum Grade of D or ECON 306 Minimum Grade of D and STAT 200 Minimum Grade of D and (MATH 150 Minimum Grade of D or MATH 170 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Economics*

ECON 430 - Industrial Organization

(3) Credit Hours Basic conditions, market structures, conduct and performance of American industry. Public policy related to the problems of monopoly and business conduct. **Prerequisites:** ECON 305 Minimum Grade of D and (MATH 150 Minimum Grade of D or MATH 170 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Economics*

ECON 440 - Public Economics

(3) Credit Hours Study of economic efficiency, distribution and role of government in the economy. Topics include: market failure, public and private provision of public goods, an analysis of the principles of government expenditure and taxation. **Prerequisites:** ECON 305 Minimum Grade of D and (MATH 150 Minimum Grade of D or MATH 170 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Economics*

ECON 450 - International Economics

(3) **Credit Hours** Basis for trade between nations. Barriers to trade. Balance of payments. Exchange rate determination. Monetary and fiscal policies in an open economy. **Prerequisites:** ECON 305 Minimum Grade of D and ECON 306 Minimum Grade of D and (MATH 150 Minimum Grade of D or MATH 170 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Economics*

ECON 460 - Labor Economics

(3) **Credit Hours** Analysis of labor market behavior. Issues of compensation, human capital investment, unionization, discrimination, and the influence of the labor market on the macro economy. **Prerequisites:** ECON 305 Minimum Grade of D and (MATH 150 Minimum Grade of D or MATH 170 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Economics*

ECON 495 - Markets, Strategy & Rivalry

(3) **Credit Hours** Applied microeconomic analysis for decision-making within the business firm. Topics include pricing decisions, internal labor issues, and external market pressures. **Prerequisites:** ECON 305 Minimum Grade of D and STAT 200 Minimum Grade of D and (MATH 150 Minimum Grade of D or MATH 170 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Economics*

ECON 499 - Tutorial Course

(2 to 3) **Credit Hours** Special reading and study for advanced students. Approval of department chair and dean required. **Prerequisites:** MATH 150 Minimum Grade of D or MATH 170 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Economics*

ECON 500 - Microeconomic Analysis

(2) **Credit Hours** Introduction to the economic way of thinking: scarcity, choice, opportunity cost, comparative advantage, and supply and demand analysis. Economic decision-making of individuals and firms in market economies. Impact of market structure on performance and behavior of firms. Concepts of economic efficiency and market failure. **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

ECON 501 - Macroeconomics Analysis

(2) **Credit Hours** Economic activity of the economy as a whole. The determination of an open economy's aggregate output, employment, and price level. The role of public policy in relation to issues of full employment, price stability, economic growth, government finance, and international trade. **Prerequisites:** ECON 500 Minimum Grade of C **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

ECON 600 - Managerial Economics

(3) **Credit Hours** Economic analysis as applied to practical business operations. Topics include demand analysis, forecasting, cost analysis, and pricing techniques. **Prerequisites:** ECON 500 Minimum Grade of C and ECON 501 Minimum Grade of C **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

ECON 601 - Global Economic Environment

(3) **Credit Hours** Description and analysis of macroeconomics policies in a global environment, with emphasis on how international trade and capital flows affect the impact of monetary, fiscal, and supply-side policies on traditional macroeconomic variables. **Prerequisites:** ECON 500 Minimum Grade of C or ECON 805 Minimum Grade of C or ECON 802 Minimum Grade of C and ECON 501 Minimum Grade of C or ECON 806 Minimum Grade of C or ECON 801 Minimum Grade of C **Restrictions:** Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

ECON 627 - International Econ & Business

(3) **Credit Hours** Growth and direction of trade, internationalization of business, role of governments. Mechanics of financing foreign trade and investment. **Prerequisites:** ECON 600 **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

ECON 632 - Business Forecasting

(3) **Credit Hours** Development and application of statistical techniques used in short-term forecasting. **Prerequisites:** STAT 500 and ECON 600 **Restrictions:** MBA students only **Levels:** Graduate *Williams College of Business Economics*

ECON 690 - Seminar: Current Econ Problems

(3) Credit Hours Topics selected from current significant theory and policy issues. **Prerequisites:** ECON 600 **Restrictions:** MBA students only **Levels:** Graduate *Williams College of Business Economics*

ECON 695 - Individual Reading & Research

(2 or 3) Credit Hours Open to especially qualified students with the consent of the department chair and dean. **Prerequisites:** ECON 600 Minimum Grade of C or ECON 901 Minimum Grade of C or ECON 902 Minimum Grade of C **Restrictions:** MBA students only **Levels:** Graduate *Williams College of Business Economics*

ECON 705 - Applied Economic Analysis

(4) Credit Hours Students analyze the economic behavior of the consumer and producer and combine economic theory and applications in order to understand and evaluate the national and international environment. Classical and contemporary economic models provide the framework for analysis and real world application. Current economic issues and the impact of monetary and fiscal policies are considered. **Restrictions:** Executive MBA students only **Levels:** Graduate *Williams College of Business Economics*

ECON 805 - Microeconomic Analysis

(2) Credit Hours Implications of rational decision-making for consumer and business behavior. Allocation of resources in market economies; concepts of economic efficiency and market failure. Impact of market structure on performance and behavior of firms. **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

ECON 806 - Macroeconomic Analysis

(2) Credit Hours Introduction to the economic way of thinking: scarcity, choice, opportunity cost, comparative advantage, and supply and demand analysis. Basic macroeconomic terminology. The aggregate demand explanation of economic fluctuations. Introduction to monetary and fiscal policy. **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

ECON 902 - Managerial Economics

(3) Credit Hours Economic analysis as applied to practical business operations. Topics include demand analysis, forecasting, cost analysis, and pricing techniques. **Prerequisites:** ECON 805 Minimum Grade of C and ECON 806 Minimum Grade of C **Restrictions:** Williams College of Business Graduate Students only **Levels:** Graduate *Williams College of Business Economics*

EDAD 543 - Supervision of Instruction

(3) Credit Hours Study of formative and summative supervision processes with emphasis on accountability and utilizing supervision for individual professional growth. Includes practical application of state mandated instructional policies and processes. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 547 - Contemporary Problems of Education

(1 to 3) Credit Hours Study of current problems that are proving perplexing within the multiple context of administration and leadership: finance, law, curriculum, philosophy, political, and research. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 548 - Principalship

(3) Credit Hours This course is designed to incorporate both administrative theory and practice, especially as it relates to the role of the principal. There is a special emphasis on the changes in the role of principal as a result of demographic changes in society, state and local regulations, and in schools. Students will be exposed to information that is viewed as relevant and unique to the administration of schools. The information is based in part on legal and regulatory requirements that have been identified as essential for beginning administrators. The Conceptual Framework will be based on The Interstate Standards (ISLLC) and will be consistent with NCATE standards. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 560 - Pupils Personnel, Accounting & Records Management

(3) Credit Hours Designed to prepare Kentucky school personnel for Director of Pupil Personnel. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 561 - Administration of Pupil Personnel Services

(2 to 3) **Credit Hours** Duties and functions involved in administering pupil personnel services and in pupil accounting. Responsibilities of the director of pupil personnel. Systemized record management. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 562 - Political Structure & Public Relations

(3) **Credit Hours** Relations of school and community. Effective use of public relations media- press, radio, television. The political system, structures, and schools. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 563 - School Business Affairs & Physical Facilities

(3) **Credit Hours** Budgetary control, purchasing, food, supplies, equipment and machinery, school insurance, plant records, maintenance and repair, pupil transportation, utilization of facilities. In addition, the school construction process is reviewed and analyzed. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 564 - Administration of Staff Personnel

(3) **Credit Hours** Staff personnel program, hiring, fringe benefits, salary schedules, staff development and evaluation. Employer-employee relations, collective bargaining and contract management. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 565 - School Law I

(3) **Credit Hours** Legal framework within which schools operate. Federal and state precedents. State code. Legal provisions for school finance. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 566 - School Finance & Economics

(3) **Credit Hours** Current issues, financing American elementary and secondary education, revenue sources and expenditures. Ohio school financing. Economic system and cycles. The economy and its influence on the schools. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 570 - Policy Planning & Evaluation

(3) **Credit Hours** Strategic planning, assessment and evaluation of educational programs and student achievement. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 572 - Educational Technology

(3) **Credit Hours** Addresses issues school administrators face as technology leaders and is based on the National Technology Standards for School Administrators. Topics include technology planning process; classroom technology integration; professional staff development; integrated infrastructures; technology program evaluation; social, legal, and ethical issues. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 660 - Curriculum Design & Teaching Strategies

(3) **Credit Hours** Theory and practice of curriculum design, development, implementation and evaluation. Correlates curriculum and teaching strategies. Includes formative and summative supervisory functions. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 710 - Superintendent Seminar

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 771 - Internship:Principal I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 772 - Internship:Spec-Research I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 773 - Internship: Spec-Staff Personnel I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 774 - Internship:Spec-Curriculum Instruction I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 775 - Internship:Spec-Pupil Services I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 776 - Internship:Spec-School/Community Relations I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 777 - Internship: Spec-Vocational Education I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 778 - Advanced Administrative Practicum

(3) **Credit Hours** A 100 hour field experience in organizational, strategic, instructional, and community and political leadership. Class activities include administrative theory, resume writing, and in interview skills. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 779 - Internship:Superintendency I

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 781 - Internship:Principal II

(3) **Credit Hours** **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 782 - Internship:Spec-Research II

(3) **Credit Hours** Administrative licensure requirements include a six-hour internship in the specific area for which licensure is being sought. The student is expected to actively participate in a specific dimension of leadership in the school and/or school district as well as other related agencies or groups. The student will work under the supervision of a Xavier faculty member and a designated school representative. The student will be expected to develop a portfolio during the internship. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 783 - Internship:Spec-Staff Personnel II

(3) **Credit Hours** Administrative licensure requirements include a six-hour internship in the specific area for which licensure is being sought. The student is expected to actively participate in a specific dimension of leadership in the school and/or school district as well as other related agencies or groups. The students will work under the supervision of a Xavier faculty member and a designated school representative. The student will be expected to develop a portfolio during the internship. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 784 - Internship:Spec-Curriculum Instruction II

(3) Credit Hours Administrative licensure requirements include a six-hour internship in the specific area for which licensure is being sought. The student is expected to actively participate in a specific dimension of leadership in the school and/or school district as well as other related agencies or groups. The student will work under the supervision of a Xavier faculty member and a designated school representative. The student will be expected to develop a portfolio during their internship. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 785 - Internship:Spec-Pupil Services II

(3) Credit Hours Administrative licensure requirements include a six-hour internship in the specific area for which licensure is being sought. The student is expected to actively participate in a specific dimension of leadership in the school and/or school district as well as other related agencies or groups. The student will work under the supervision of a Xavier faculty member and a designated school representative. The student will be expected to develop a portfolio during their internship. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 786 - Internship:Spec-School/Community Relations II

(3) Credit Hours Administrative licensure requirements include a six-hour internship in the specific area for which licensure is being sought. The student is expected to actively participate in a specific dimension of leadership in the school and/or school district as well as other related agencies or groups. The student will work under the supervision of a Xavier faculty member and a designated school representative. The student will be expected to develop a portfolio during the internship. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 787 - Internship:Spec-Vocational Education II

(3) Credit Hours Administrative licensure requirements include a six-hour internship in the specific area for which licensure is being sought. The student is expected to actively participate in a specific dimension of leadership in the school and/or school district as well as other related agencies or groups. The student will work under the supervision of a Xavier faculty member and a designated school representative. The student will be expected to develop a portfolio during the internship. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDAD 789 - Internship:Superintendency II

(3) Credit Hours **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 305 - Storytelling as a Cultural Craft

(3) Credit Hours Study and practice in the art of storytelling. Emphasis on both classroom application and formal program presentation. This course is cross-listed with EDCH 505. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 310 - Writing & Publishing for Children

(3) Credit Hours Detailed guidance for all aspects of teaching, using and developing writing for children, from workshop methods to pre-writing and revising, to issues of grammar and evaluation, to publication of various genre of writing. This course is cross-listed with EDCH 510. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 315 - Adolescent Literature

(3) Credit Hours Focused study of the literature available for classroom use of the adolescent. Current and classic authors and illustrators of both fiction and nonfiction studies. **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 320 - Multi-Cultural Literature for Children

(3) Credit Hours Multi-culturism and the politics of Children's Literature. Study of literature by and about African Americans, Native Americans, Hispanics, and other racially, ethnically, and socially diverse people. Strategies for classroom use and selection. This course is cross-listed with EDCH 520. **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 324 - Children's Literature for Early Childhood

(3) Credit Hours Children's literature for early childhood licensure. Study of literary genre to include picture books, poetry, traditional literature, fiction and nonfiction appropriate for language development and curriculum of the emergent reader. **Course Attributes:** Literature-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 326 - Children's Literature for Middle Childhood

(3) **Credit Hours** Children's literature for the middle school licensure. Study of literary genre from picture books to non-fiction as it applies across the content curriculum of the middle school. **Course Attributes:** Literature-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 501 - Advanced Children's Literature

(3) **Credit Hours** Survey of the history and content of Children's literature through the study of various genre: picture books, traditional literature, poetry, fiction, nonfiction and informational books. Focus will be on current literature and classroom application. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 505 - Storytelling as a Cultural Craft

(3) **Credit Hours** Study and practice in the art of storytelling. Emphasis on both classroom application and formal program presentation. This course is cross-listed with EDCH 305. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 510 - Writing & Publishing for Children

(3) **Credit Hours** Detailed guidance for all aspects of teaching, using and developing writing for children, from workshop methods to pre-writing and revising, to issues of grammar and evaluation, to publication of various genre of writing. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 515 - Adolescent Literature

(3) **Credit Hours** Focused study of literature available for classroom use of the adolescent. Current and classic authors and illustrators of both fiction and nonfiction studies examined. This course is cross-listed with EDCH 315. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 520 - Multi-Cultural Literature for Children

(3) **Credit Hours** Multi-culturism and the politics of Children's Literature. Study of literature by and about African Americans, Native Americans, Hispanics, and other racially, ethnically, and socially diverse people. Strategies for classroom use and selection. This course is cross-listed with EDCH 320. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 524 - Children's Literature for Early Childhood

(3) **Credit Hours** Children's literature for early childhood licensure. Study of literacy genre to include picture books, poetry, traditional literature, fiction and non-fiction appropriate for language development and curriculum of the emergent reader. This course is cross-listed with EDCH 324. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 525 - Analysis of Children's Literature in Global Society

(3) **Credit Hours** Study of major works by several contemporary children's authors explored. Analysis of style, character development, theme, plot, and setting discussed. Literacy style of both male and female authors researched, analyzed, and compared. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCH 526 - Children's Literature for Middle Childhood

(3) **Credit Hours** Children's literature for the middle school licensure. Study of literary genre from picture books to non-fiction as it applies across the content curriculum of the middle school. This course is cross-listed with EDCH 326. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 501 - Lifespan Development

(3) Credit Hours Understanding of the nature and needs of individuals at all developmental levels, learning theory and personality development, normal and abnormal behavior, lifespan transitions. Restricted to Counseling or Community Counseling majors. **Prerequisites:** CMCO/COUS/Licensure **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 502 - Introduction to College Counseling

(2) Credit Hours An examination of college admissions processes, financial aid options, and admissions testing issues. Restricted to Counseling majors. **Prerequisites:** COUS Major & Licensure Only **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 509 - Counseling Research Methods

(2) Credit Hours Investigation into counseling research. Review of literature, planning research, and methods of conducting research. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 519 - Coping with Death & Dying

(2) Credit Hours Awareness of the grief process. Counseling techniques to assist those experiencing loss. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 533 - Counseling Theories & Techniques

(3) Credit Hours Theory of counseling, case method, ethics, relationships to testing and to other sources of data, interviewing, place and value of records, clinical procedures. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 534 - Elementary School Counseling

(2) Credit Hours Principles, philosophy, administration, and organization of guidance services in the elementary school setting. Role and function of the counselor. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 536 - Group Process

(3) Credit Hours Laboratory course with required participation in a growth group. Individual relations. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 537 - Introduction to School Counseling

(3) Credit Hours Administrative operations related to school counseling services, personnel and staffing, budget, and public relations. Restricted to Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 579 - Psychological & Achievement Testing

(2) Credit Hours Group tests. Testing procedures. Rationale of intelligence, aptitude, achievement, interest, and personality tests. Selection and evaluation of group tests. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 630 - Introduction to Mental Health Counseling

(2) Credit Hours Historical developments and current practice in various agency counseling settings. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 631 - Counseling Issues and Ethics

(2) Credit Hours Ethical responsibilities of the counselor and counseling as a profession. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 632 - Introduction to Reality Therapy

(2) **Credit Hours** Theory, practice, strength, dynamics of failure, success identity. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 633 - Substance Abuse

(2) **Credit Hours** Follow-up of disease concept of alcoholism. Exploration of intervention techniques in alcohol and other drugs. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 634 - Brief Counseling Interventions

(2) **Credit Hours** An introductory seminar to brief solution-oriented counseling principles and techniques. Examination of underlying values and assumptions of brief counseling with particular emphasis on the theory and practice of intervention strategies and techniques. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 636 - Career Counseling

(3) **Credit Hours** A study of career choice theories. Sources of occupational information, assessment. Models related to career development programs in various settings. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 638 - Cross-Cultural Counseling

(2) **Credit Hours** Impact of culture on the counseling process as well as an understanding of cultural differences (e.g., race, gender, ethnicity). Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 639 - Drug Counseling

(2) **Credit Hours** Concepts of drug and alcohol counseling. Various models of chemical dependency are explored. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 640 - Family Relations

(2) **Credit Hours** Issues related to the family and various theories of family counseling. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 642 - Consultation and Supervision

(3) **Credit Hours** Historical development of consultation and models of consultation. Application of theoretical material to case presentations. Supervision techniques, strategies, and ethical responsibilities of supervisors in a counseling setting. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 662 - Special Study: Counseling

(1 to 3) **Credit Hours** Individualized in-depth study of specialized counseling topic. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 669 - Counseling Practicum I

(3) **Credit Hours** Practicum experience involves completing audio-taped interviews with bona fide clients and producing case history write-ups. Students in EDCO 669 must carry liability insurance purchased through the university. Pre-requisites: EDCO 533, EDCO 536, EDCO 579, and EDCO 631. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 670 - School Counseling Internship

(2 to 6) **Credit Hours** This field course comes at the end of the Counseling Program and serves in lieu of a comprehensive exam. A minimum of 600 clock hours of supervised counseling experiences in a School Counseling Program is required. Normally students are expected to find their own placement. However, please consult the program clinical coordinator needed. Students in EDCO 670 must carry liability insurance purchased through the University. Pre-requisite: EDCO 669. Restricted to Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 671 - Counseling Internship

(1 to 6) **Credit Hours** An experiential integrative field placement in counseling under the direction of an approved supervisor. The experience requires a minimum of 600 hours, of which 240 hours are in direct services which include the diagnosis and treatment of mental and emotional disorders and conditions. Pre-requisite: EDCO 669. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 760 - Personality & Abnormal Behavior

(3) **Credit Hours** Dynamics of the disturbed personality; symptoms, causes, treatment of psychoneuroses, psychoses, deviant personalities. Emphasis is placed on psychopathological conditions related to children, adolescents, young and middle-life adults, and the aged. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 761 - Application of Personality Theory to Clinical Populations

(3) **Credit Hours** Description, evaluation, and application of specific personality theories in the context of mental health work with children, adolescents, young and middle-life adults, and the aged. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 762 - Intellectual & Personality Assessment

(4) **Credit Hours** Emphasis is placed on methods of administering and interpreting individual and group standardized tests. Evaluation techniques of mental and emotional status, including use of assessment procedures and diagnosis and treatment planning are reviewed. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 763 - Diagnosis of Psychopathology

(3) **Credit Hours** A conceptual overview of the foundations of psychodiagnostics. Exposure to both psychodynamic concepts and theory as well as behavioral, descriptive diagnosis as advocated by the DSM IV-R. This includes the development of a framework for identifying the signs and symptoms of psychosis, personality disorders, and neuroses in children, adolescents, young, and middle-life adults, and the aged. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 764 - Counseling and Psychotherapy

(3) **Credit Hours** Theoretical and applied understandings of the psychotherapeutic process including the study of the psychological methods of intervention such as person-centered, psychoanalytic, hypnotherapy, and psychotherapy. Also covered are educational intervention methods such as rational-emotive therapy, reality therapy, and psychosocial rehabilitation. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 765 - Crisis Counseling

(2) **Credit Hours** An examination of issues and skills involved in assisting clients to deal with crisis situations. The progression and symptomatology of crisis functioning are presented with models and techniques for appropriate psychological, educational, and specialized intervention techniques for use with clients. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 766 - Intervention Skills for Severely Mentally Disabled

(3) **Credit Hours** Specific interventions and treatment strategies with severely mentally disabled individuals in both individual and group settings including developing and implementing a treatment plan, reporting and assessing progress of treatment, appropriate psychological, educational, and specialized intervention techniques for use with clients. Restricted to Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDCO 773 - Counseling Practicum II

(3) **Credit Hours** A supervised training experience providing individual or group counseling to bona fide clients seeking services from counselors. Pre-requisite: EDCO 669. Restricted to Counseling or Community Counseling majors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 210 - Early Childhood Development

(3) Credit Hours Specific study of children ages three to eight, developmental differences in young children, growth and health, developmentally appropriate practice in educational settings, assessment practices with young children. **Prerequisites:** EDFD 110 Minimum Grade of C and EDFD 100 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 230 - Play in Early Childhood Education

(3) Credit Hours Theory and practice concerning development aspects of play, creativity, imagination, and their relationship to music, movement, and creative drama. Teacher's role in preparation of the play environment, including issues of special needs children. **Prerequisites:** EDEC 210 Minimum Grade of C and EDFD 100 Minimum Grade of B and EDFD 110 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 300 - Studies in Early Childhood

(3) Credit Hours A three credit hour course experienced in the city of Rome, Italy, will include visits to local schools for young children, Montessori, elementary schools, and the culturally diverse international schools of the city. Focus on environment, methods, and philosophy will include an introduction to American standards and practices for care of young children. **Prerequisites:** EDFD 100 Minimum Grade of B and EDEC 210 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 325 - Methods of Observation/Collaboration

(3) Credit Hours Observation techniques, classroom management, assessment, parent and staff communication, and field practice in observation. Consultation/collaboration skills with child service professionals. **Prerequisites:** EDEC 210 Minimum Grade of C and EDFD 100 Minimum Grade of B and EDFD 110 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 330 - Math/Science Block-Early Childhood Education

(6) Credit Hours Math and science instructional strategies, skills and content integrated with field experience in early childhood settings. Formal and informal assessment strategies. Ohio Model Competency-Based Math and Science Programs reviewed. Adaptations and modifications for diverse learners. Field experiences. **Prerequisites:** EDEC 325 Minimum Grade of C or EDEC 340 Minimum Grade of C and EDEC 210 Minimum Grade of C and EDFD 260 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 331 - Early Childhood Math/Science Cohort

(4) Credit Hours This course is designed to prepare students to teach science and mathematics to children at age 3 to grade 3. Learning format consists primarily of hands-on, minds-on activities, demonstrations, peer teaching, class discussions, and field experiences. Attention to National and Ohio standards. Must have Cohort admission and progression. **Co-requisites:** EDEC 336 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 335 - Language Arts/Social Studies-Early Childhood Education

(6) Credit Hours Instructional strategies. Oral and written language skills. Reading and children's literature for the integrated curriculum. Integrated language arts and social studies. Formal and informal assessment strategies. Ohio Model Competency-Based Language Arts and Social Studies Programs reviewed. Adaptations for diverse learners. **Prerequisites:** (EDEC 325 Minimum Grade of C or EDEC 340 Minimum Grade of C) and EDCH 324 Minimum Grade of C and EDRE 269 Minimum Grade of C and EDRE 312 Minimum Grade of C and EDEC 210 Minimum Grade of C and EDFD 260 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 336 - Early Childhood LA/Soc St Cohr

(4) Credit Hours This course is designed to prepare students to integrate language arts and social studies using instructional strategies, oral and written language skills, reading and children's literature for the integrated curriculum, formal and informal assessment strategies, adaptations for diverse learners, as well as review the Ohio Model Competency - Based Language Arts and Social Studies Programs for children age 3 to grade 3. Cohort admission and progression required. **Co-requisites:** EDEC 331 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 340 - Integrated Curriculum-Early Childhood

(3) Credit Hours Planning of integrated curriculum for preschool through primary grades. Developmentally appropriate practice. Ohio and local curriculum models. Formal and informal assessment strategies. Diverse populations of children in urban and suburban settings. **Prerequisites:** EDFD 100 Minimum Grade of D and EDFD 110 Minimum Grade of D and EDEC 325 Minimum Grade of D and EDEC Minimum Grade of D and (EDEC 330 Minimum Grade of D or EDEC 335 Minimum Grade of D) **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 450 - Student Teaching: Early Childhood

(11) Credit Hours Fourteen weeks of supervised full day student teaching under a master teacher. Reflective practice and team teaching. Weekly seminar.
Prerequisites: (EDEC 330 Minimum Grade of C or EDEC 335 Minimum Grade of C) and EDEC 340 Minimum Grade of C **Co-requisites:** EDEC 451
Levels: Undergraduate *College of Social Sciences, Health and Education School of Education*

EDEC 451 - Seminar: Current Issues/Early Childhood

(1) Credit Hours This seminar will address pertinent issues to teacher certification, professional development, and career preparation for the early childhood teacher. **Prerequisites:** (EDEC 330 Minimum Grade of C or EDEC 335 Minimum Grade of C) and EDEC 340 Minimum Grade of C **Co-requisites:** EDEC 450
Levels: Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 454 - EC Cohort Student Teaching

(6) Credit Hours The student teaching experience in the early childhood education program is one semester in duration, spent in one classroom at the preschool through primary level. Placement site is determined by prior field placements at different grade and demographic settings. Range of placements include pre-school classrooms, kindergarten classrooms, first, second, third, or multi-age classrooms. Settings will include public, private, religious, urban, and suburban schools and centers. Students are placed in settings which have signed agreements with Xavier University for such placements as described above. Student teaching is under the daily guidance of a qualified cooperating teacher and regular supervision visits from the assigned University supervisor. **Prerequisites:** Early Childhood Cohort Only **Co-requisites:** EDEC 455 **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDEC 455 - Cohort: Current Issues

(1) Credit Hours This seminar style course addresses pertinent issues related to the day to day student teaching experience, professional conduct, teacher licensure and career preparation. Emphasis on NAEYC standards and Ohio Professional Teaching Standards criteria. Majors only. **Co-requisites:** EDEC 454 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 555 - Early Childhood Care/Practices

(6) Credit Hours This course holistically examines aspects of working as an early childhood professional with families and children birth through age 8. Issues on the education and care of these young children with and without disabilities from various cultural and socioeconomic backgrounds will be studied. Issues include, but are not limited to, full day childcare, early intervention, early childhood special education, early childhood education, and best practices in facilitating young children's learning and development. The course content examines current theories, theorists, programs, and practices in early childhood care/education and child development. The course requires 20 hours of supervised field experience. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEC 558 - Play & Arts in Early Childhood

(3 or 4) Credit Hours Theory and practice concerning developmental aspects of play and creativity and their relationship to music, movement, creative drama and the visual arts. Art production techniques. Active emphasis on age appropriate art activities as well as student's own artistic development. Teacher's role in preparation of environment for children from diverse backgrounds and special needs. Majors Only. **Restrictions:** Early Childhood Education Graduate students only **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 201 - Arts and Literacy

(2) Credit Hours Overview of the fine arts, an examination of the relationship of the arts to literacy, and application to elementary classroom arts integration. Field experiences. **Prerequisites:** ARTS 221 and MUSC 120 or MUSC 121 and EDEL 100 and EDEL 251 and EDFD 140 and EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 311 - Teaching Science

(2) Credit Hours Curriculum integrated course in teaching science methods. **Prerequisites:** EDEL 100 and EDFD 140 and EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 312 - Teaching Social Studies

(2) Credit Hours Emphasis on social science curriculum, multicultural implications and instructional strategies. **Prerequisites:** EDEL 100, EDEL 251, EDFD 140, EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 313 - Language Arts Block

(9) **Credit Hours** Major course that combines children's literature, reading and language arts methods with field experience in an elementary classroom. Field and clinical experiences required. **Prerequisites:** EDEL 100, EDEL 251, EDFD 140, EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 314 - Teaching Reading

(3) **Credit Hours** Developmental process of reading, reading in the content areas, determining needs of children. **Prerequisites:** EDEL 100, EDEL 251, EDFD 141, EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 315 - Teaching Mathematics

(3) **Credit Hours** Mathematics in the elementary school. Materials, methods, and content. **Prerequisites:** EDEL 100, EDEL 251, EDFD 141, EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 316 - Math and Science Block

(6) **Credit Hours** Math and science teaching strategies, skills, and content integrated with field experience in an elementary classroom. Field and clinical experiences required. **Prerequisites:** EDEL 100, EDEL 251, EDFD 141, EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 317 - Teaching Language Arts

(3) **Credit Hours** Curriculum, oral and written language, spelling, mechanics of writing, linguistics. **Prerequisites:** EDEL 100, EDEL 251, EDFD 141, EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 318 - Social Studies/Multicultural Block

(5) **Credit Hours** Methods for teaching the social sciences with a multicultural perspective. Field work highlights cultural diversity. Field and clinical experiences required. **Prerequisites:** EDEL 100, EDEL 251, EDFD 141, EDFD 142 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 326 - Children's Literature

(3) **Credit Hours** Survey of literature available for elementary age children; how to use literature in the classroom. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 327 - Adolescent Literature

(3) **Credit Hours** Survey of literature available for adolescents; how to use literature in the classroom. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 370 - Junior Field Experience

(2) **Credit Hours** Observation, teaching and evaluation; major subject areas: reading, language arts, mathematics, social studies, and science. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 471 - Elementary Student Teaching & Seminar

(9) **Credit Hours** Classroom teaching, five days a week for 15 weeks. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDEL 472 - Curriculum Design & Teaching Strategies

(3) Credit Hours Final preparation course for entry into the profession. Integrates the diverse learning of classroom and field work. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 474 - Elementary Student Teaching & Seminar: Special Education DH

(9) Credit Hours Classroom teaching, five days a week for 15 weeks. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDEL 477 - Elementary Student Teaching & Seminar: Special Education SLD

(9) Credit Hours Classroom teaching, five days a week for 15 weeks. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDEL 498 - Independent Study

(1 to 3) Credit Hours Readings and assignments under direction of professor. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 500 - Classroom Culture

(3) Credit Hours Required course for graduates seeking initial certification in elementary education. Course examines the historical basis of American education, curriculum, and instruction. Emphasis on suitability for teaching. Field experiences required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 511 - Teaching Science

(2) Credit Hours Curriculum integrated course in science. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 512 - Teaching Social Studies

(2) Credit Hours Curriculum, multicultural applications. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 514 - Teaching Reading

(3) Credit Hours Developmental process of reading, reading in the content areas, determining needs of children. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 515 - Teaching Mathematics

(3) Credit Hours The modern mathematics curriculum in the elementary school. Materials, methods, and content. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 517 - Teaching Language Arts

(3) Credit Hours Curriculum, oral, and written language, spelling, mechanics of writing, linguistics. Multicultural implications. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 518 - Social Studies/Multicultural Block

(5) Credit Hours Methods for teaching the social sciences with a multicultural perspective. Field work highlights cultural diversity. Field and clinical experiences required. **Prerequisites:** EDEL 100, EDEL 251, EDFD 141, EDFD 142 **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 526 - Children's Literature

(3) **Credit Hours** Survey of literature available for elementary age children; how to use literature in the classroom. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDEL 527 - Adolescent Literature

(3) **Credit Hours** Survey of literature available for adolescents; how to use literature in the classroom. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 100 - Introduction to Education

(3) **Credit Hours** This course provides an introduction to the foundational, philosophical, and organizational patterns of United States education. Topics will include the review of history, philosophy, societal impact, and school culture. Ohio Professional Teaching Standards emphasis. Lesson planning introduced. Required field experience. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDFD 110 - Human Development & Learning

(3) **Credit Hours** An introductory course presenting theories on human growth, development, and learning. Students will apply theories in course activities including observations, media presentations, and film reviews. Students will develop and demonstrate observational skills and practices in writing educational reports. Students will develop an understanding of thematic stages of development and their application to life long learning from birth to adolescence. Students will demonstrate an understanding of the physical, cognitive, and social/emotional domains of development and the developmental effects of family, culture, and other environmental factors. Required field experience in diverse settings. 6 field hours. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDFD 251 - Instructional Technology

(3) **Credit Hours** Methods and management for integrating educational technologies into the instructional design process and curricula. Applications will include, but not be limited to word processing, spreadsheets, multimedia presentation software, Web 2.0, Internet and other technological hardware resources and media. Assistive technologies for children with disabilities. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 260 - Cultural Diversity in Education

(3) **Credit Hours** Issues of ethnicity, class, poverty, gender, religion, and schooling. Multicultural perspective in teaching/learning. Field experiences. **Course Attributes:** Cultural Diversity-University Core, Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 499 - Special Study

(1 to 3) **Credit Hours** Permission of department chair required. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 500 - Social, Historical, Philosophical Foundations of American Education

(3) **Credit Hours** The major philosophical, historical, and social influences affecting education in American society. Incorporates professional ethics and values for administrators. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 501 - Philosophy of Education

(3) **Credit Hours** The historic development of educational philosophy and theories. Evaluation of major current philosophies. Societal differences. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 502 - History of American Education

(3) **Credit Hours** Colonial period, the early national period, educational developments of the 19th century, the 20th century, the political, social, economic scene. Multicultural society. Educational ideas. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 503 - Advanced Educational Psychology

(3) Credit Hours Major aspects of child, adolescent and adult growth and development. The learn process and factors influencing learning. **Levels:** Graduate
College of Social Sciences, Health and Education School of Education

EDFD 504 - Psychological & Learning Theory & Practice

(3) Credit Hours Curricular and instructional decisions on research applied theory, informed practice, and recommendations of learned societies with regard to cognitive development, human development, learning styles, contemporary methodologies, and content priorities. Students needs based on gender, ethnicity, culture, social class, and exceptionalities. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 505 - Educational Administration

(3) Credit Hours Relationships of the federal, the state, and the local government to public and private education. Administrative functions as operable in the elementary, middle and secondary school. Multicultural implications. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 507 - Educational Research

(2) Credit Hours Methodology of educational research. Statistics in research. Locating educational research. **Co-requisites:** EDFD 508 **Levels:** Graduate
College of Social Sciences, Health and Education School of Education

EDFD 508 - Educational Research Paper

(1) Credit Hours This course is taken in conjunction with EDFD 507 and requires a research project and paper. **Co-requisites:** EDFD 507 **Levels:** Graduate
College of Social Sciences, Health and Education School of Education

EDFD 510 - Advanced Human Development & Learning

(3) Credit Hours An advanced course presenting theories on human growth, development, and learning. Students will apply theories in course activities including observations, media presentations, and film reviews. Students will develop and demonstrate observational skills and practices in writing educational reports. Students will develop an understanding of thematic stages of development and their application to life-long learning from birth to adolescence. Students will demonstrate an understanding of the physical, cognitive, and social/emotional domains of development and the developmental effects of family, culture, and other environmental factors. Required field experience in diverse settings - 5 hours. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 560 - Cultural Diversity in Education

(3) Credit Hours This course introduces students to various issues embedded within the concepts of diversity, education and a pluralistic society. Students will gain an understanding of the change in demographics within our society and how they are reflected in the process of schooling. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 572 - Educational Technology

(3) Credit Hours Computer technology for school management within the administrative functions of pupil personnel, staff personnel, financial management, and non-instructional services. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDFD 576 - Ethics for Educators

(2) Credit Hours This workshop offers a means of professional and personal development appropriate for educators as they face ethical difficulties, moral dilemmas, value conflicts and challenges. Lecture, discussion, problem-solving, role-playing, field based experiences, video, journal, essays, and short fiction. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHE 288 - Personal & Community Health

(2) Credit Hours Skills needed to meet challenges to health and optimize over-all well-being. Areas of health that emphasize self-empowerment, prevention, and an understanding of the health impact of human diversity and the importance of thinking critically. Developing healthful habits. Active managers of individual health care. Techniques to change behavior. The latest and most accurate health information. Apply critical thinking skills to health information. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDHE 387 - Current Issues & Ethics in Health Education

(2) **Credit Hours** Health aspects of human sexuality specific to sexually transmitted diseases, HIV infection, AIDS, and on death, dying, and the bereavement process. Pollution and health. Threatening technological advances to human life. Biomes of the world, and ecological and environmental issues. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDHE 461 - Environmental Health

(2) **Credit Hours** Various types of pollution, technological advances and their effect on an individual's health and environment. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDHE 470 - Independent Study

(1 to 3) **Credit Hours** Investigate an area of interest within the area of health education. Requires advisor's approval. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 605 - Developing the Adult Learner

(3) **Credit Hours** Understanding how adults acquire knowledge, skills, and attitudes. Understanding how individual and cultural differences in values, needs, interests, styles, and competencies affect others and the learning process. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 606 - Behaving in Organizations

(3) **Credit Hours** Understanding organizations as dynamic political, economic, and social systems that have multiple goals. Understanding organizational culture and the motivation for behavior. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 607 - Consulting for Organizational Effectiveness

(3) **Credit Hours** Influencing and supporting changes in organizational behavior through planned, systematic, long-range efforts focused on the organization's culture and its human and social processes. Establishing collaborative client-consultant relationships, clarifying roles, and developing contracts. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 608 - Advising for Career Development

(2) **Credit Hours** Identifying a personal plan for self-growth. Helping others identify career plans that are aligned with organizational career-management processes. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 609 - Assessing & Evaluating Human Resource Development Programs

(3) **Credit Hours** Identifying ideal and actual performance and performance conditions and diagnosing causes of discrepancies. Determining the impact of interventions on individual or organizational effectiveness. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 610 - Designing Human Resource Development Programs

(3) **Credit Hours** Preparing learning goals and objectives, and defining program content. Determining instructional methods, and scope and sequence of learning activities for lessons, courses, and curricula. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 611 - Developing Human Resource Development Programs

(1) **Credit Hours** Exposes students to designing and developing e-learning and blended learning approaches for organizational learning. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 612 - Facilitate Learning in Human Resource Development Programs

(3) **Credit Hours** Creating a collaborative learning environment, presenting information, directing structured learning experiences, and managing group discussions and group process so that the intended purpose is achieved. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 613 - Managing Human Resource Development Programs

(3) **Credit Hours** Leading and supporting an HRD organization and developing strategies and policies to align with the mission of the total organization. Includes business and budget perspectives related to marketing and administering HRD programs. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 614 - Applying/Designing Human Resource Development Research

(3) **Credit Hours** Reading, understanding, interpreting, applying and designing HRD research. Translating the information into implications for improved individual or organizational performance. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 615 - Trends & Issues in Human Resource Development

(2) **Credit Hours** Current trends and issues in HRD will be explored, such as technological advances, work teams, etc. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 616 - Technology in Human Resource Development

(1) **Credit Hours** Provides an introduction to the use of various technologies (i.e., computer-based learning, on-line learning, groupware, presentation and authoring software) in designing, delivering, and managing HRD programs in organizations. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 644 - Motivation & Behavior in Organizations

(3) **Credit Hours** To help students gain knowledge of various concepts and controversies relating to attempts to explain the motivation and behavior of people in organizations. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 670 - Practicum: Personnel Training/Education/Development I

(1 to 3) **Credit Hours** A supervised practicum or internship in personnel training and development within a for- or not-for-profit organization. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 671 - Practicum: Personnel Training/Education/Development II

(1 to 3) **Credit Hours** An advanced supervised practicum or internship in personnel training and development within a for- or not-for-profit organization. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 672 - Practicum in Human Resource Development

(1) **Credit Hours** A supervised practicum or internship in human resource development within a for- or not-for-profit organization. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 680 - Advanced Study: Personnel Training/Education/Development

(1 to 3) **Credit Hours** An advanced, individualized program of study in the field of personnel training, education and development. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 681 - Special Study: Personnel Training/Education/Development

(1 to 3) **Credit Hours** An individualized program of study in the field of personnel training, education and development. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDHR 682 - Special Study in Human Resource Development

(1 to 3) Credit Hours An individualized program of study in the field of human resource development. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 212 - Nature & Needs of Adolescents

(3) Credit Hours Development of young adolescents in family and society. Health and safety. Risk behaviors. **Prerequisites:** EDFD 100, EDFD 110 **Course Attributes:** Social Science-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 325 - Arts in Education: Middle Childhood

(3) Credit Hours Art, music, and drama integrated into the middle school curriculum. **Prerequisites:** EDMC 212 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 340 - Middle School Philosophy & School Organization

(3) Credit Hours The varied roles of the middle school teacher in the school community. Goals, philosophy and mission of middle childhood education. **Prerequisites:** EDMC 212 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 345 - Introduction to EDMC Collaboration/Classroom Management

(3) Credit Hours Collaborative nature of middle school structure and teaching. Interdisciplinary teaming. Effective teaching and management strategies. Field experiences. **Prerequisites:** EDMC 340 Minimum Grade of C and EDMC 212 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 351 - EDMC Language Arts Curriculum/Pedagogy & Assessment

(3) Credit Hours Collaborative nature of middle school structure and teaching. Interdisciplinary teaming. Effective teaching and management strategies. Field experiences. **Prerequisites:** EDMC 340 Minimum Grade of C and EDMC 212 Minimum Grade of C and EDMC 345 Minimum Grade of C and EDMC 340 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 352 - EDMC Math Curriculum/Pedagogy & Assessment

(3) Credit Hours Mathematics in the Middle School. Teaching strategies, management techniques, methods, model curricula, assessment, and integration with other subject fields. Classroom, clinical, and field settings. **Prerequisites:** EDMC 340 Minimum Grade of C and EDMC 212 Minimum Grade of C and EDMC 345 Minimum Grade of C and EDMC 340 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 353 - EDMC Science Curriculum/Pedagogy & Assessment

(3) Credit Hours Theory and research will provide a foundation for science teaching. Hands on active teaching strategies; integration of science content; the nature of science; use of electronic educational technology; science and society issues; assessment for student outcomes; classroom management and safety for the science classroom. **Prerequisites:** EDMC 340 Minimum Grade of C and EDMC 212 Minimum Grade of C and EDMC 345 Minimum Grade of C and EDMC 340 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 354 - EDMC Social Studies Curriculum/Pedagogy & Assessment

(3) Credit Hours Content of social studies disciplines integrated into a comprehensive plan of instruction. Age appropriate methods, curricula, and assessment for the middle school learner. Classroom, clinical, and field settings. **Prerequisites:** EDMC 340 Minimum Grade of C and EDMC 212 Minimum Grade of C and EDMC 345 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 360 - Middle School Math Strategies

(3) Credit Hours Mathematics in the middle school. Emphasis on content knowledge, teaching strategies, activities and resources to enable middle childhood math teachers to align their curriculum to the standards using a constructivist approach to mathematical learning. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 455 - Student Teaching: Middle School

(11) Credit Hours Fifteen week student teaching. Grade level chosen to broaden experience within 4-9 grade range. Both concentration fields taught. Focus on knowledge and skills expected for entry year teachers in the State of Ohio. Student teaching supervised and evaluated by cooperating teachers and university supervisors. Reflection and analysis emphasized. **Prerequisites:** EDMC 340 Minimum Grade of C and EDMC 345 Minimum Grade of C **Co-requisites:** EDMC 456 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 456 - Seminar: Current Issues in EDMC

(1) Credit Hours This seminar will address pertinent issues to teacher certification, professional development and career preparation for the middle childhood teacher. **Prerequisites:** EDMC 325 Minimum Grade of C and EDMC 340 Minimum Grade of C and EDMC 345 Minimum Grade of C **Co-requisites:** EDMC 456 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMC 560 - Middle School Math Strategies

(3) Credit Hours Mathematics in the middle school. Emphasis on content knowledge, teaching strategies, activities and resources to enable middle childhood math teachers to align their curriculum to the standards using a constructivist approach to mathematical learning. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 305 - Kindergarten Methods & Materials I

(3) Credit Hours Research child development and classroom practice. Communicate knowledge of child development to parents. Understand how affective development is enhanced by creative arts, and how the arts enrich the curriculum. Literacy development, and language practices in young children. The history of kindergarten, and issues in practice today. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 350 - Methods of Observation of Children

(3) Credit Hours This course supports the candidate's understanding of authentic assessment. Students will learn how to observe child development from ages 2.5-12 and the application of this information in supporting curriculum planning. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 351 - Montessori Education: Philosophical Approach

(3) Credit Hours This course allows students an in-depth study of Dr. Montessori's pedagogical philosophy. Topics covered include: Montessori theory from infancy through adolescence, cosmic education, and spiritual education. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 352 - Montessori Curriculum Design & Teaching Strategies: Primary

(3) Credit Hours Within this class setting is an opportunity for reflection on the day-to-day implementation of the Montessori philosophy; review, application, and enrichment of curriculum; feedback on classroom management techniques; design of integrated, sequenced Montessori curriculum, alignment with state and national academic content standards; and record keeping. Includes current educational research and trends in education. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 353 - Montessori Math & Geometry Methods

(3) Credit Hours Montessori Math and Geometry materials, methods, and instructional strategies for the 6 to 9 year old child. Course content includes progression from concrete to abstract materials, the four operations, math process, fact based materials, the foundations of Geometry-plane figures, angles, lines, triangles, quadrilaterals, and polygons. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 354 - Montessori Language Arts & Reading Methods

(3) Credit Hours Montessori materials, methods, and instructional strategies for the teaching of phonics, word study, creative writing, mechanics, grammar to the 6 to 9 year old child. Literature integrated across the curriculum unit of study developed. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 355 - Montessori Cultural Subjects Method

(3) Credit Hours Montessori materials, methods, and instructional strategies for the Montessori Cultural subjects and cosmic education for the elementary classroom. Course content includes Montessori history, geography, botany, and zoology. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 356 - Montessori Integration of Curriculum: Primary

(3) Credit Hours Course designed as a seminar for candidates in Montessori elementary classrooms during their second semester of Practicum. During this course, candidates solidify their understanding, application, and enrichment of the integrated Montessori cosmic curriculum. Learning experiences in the areas of differentiated instruction, and understanding and application of state and national education data. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 359 - Full Day Child Care

(3) Credit Hours Research supported theories and issues concerning developmentally appropriate practices for early childhood centers, birth to eight years of age. Topics include: Day Care Licensing, transitions, administration, use of community resources, children's home experiences, child abuse, program planning, making adaptations for the special needs child, and parent involvement. Students will participate in field experiences in classrooms with children from births to eight years of age. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 363 - Early Cognitive Development

(3) Credit Hours This course introduces candidates to early childhood development. Content includes basic developmental theory as well as current research in development and the application of theory in developmentally appropriate classroom curriculum development and instruction. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 364 - Early Childhood/Montessori Methods

(3) Credit Hours Instructional strategies for the development of the senses, gross motor, fine motor, independent living activities, art and music. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 366 - Montessori Curriculum Design & Teaching Strategies I: Early Childhood

(3) Credit Hours This seminar course supports the candidate's knowledge in managing all aspects of the classroom environment. Topics include community leadership, classroom management, instructional strategies for cross curricular planning, adaptations for a diverse population, and the alignment of Montessori curriculum to the state of Ohio content standards. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 367 - Montessori Curriculum Design & Teaching Strategies II: Early Childhood

(3) Credit Hours This seminar course supports the candidate's knowledge in managing all aspects of the classroom environment. Topics include community leadership, classroom management, instructional strategies for cross curricular planning, adaptations for a diverse population, and the alignment of Montessori curriculum to the state of Ohio content standards. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 376 - Phonics Skills for Early Childhood

(3) Credit Hours This course examines a child's development of language from birth to 9 years of age. Students receive instructional methodology in phonics skills, emergent reading, and the creative writing process in early childhood settings. Students develop skills in planning and aligning with the State of Ohio Content Standards. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 377 - Early Childhood Math & Science

(3) Credit Hours Instructional strategies for teaching math to children from ages three to eight years of age. Students develop skills in planning and aligning with the State of Ohio Content Standards. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 470 - Montessori Primary Practicum I

(6) Credit Hours Elementary candidate's first semester student teaching/internship experience. During this 15 week experience, candidates are involved in the presentation and planning of Montessori lessons across all curriculum areas. Candidates work cooperatively with a credentialed Montessori teacher, developing

skills of observation and assessment, classroom management, and instructional techniques of presenting individual, small, and large group activities. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 471 - Montessori Primary Practicum II

(6) Credit Hours The candidate will refine and enhance knowledge and experiences during the second, fifteen week student teaching/internship experience. Candidate will be involved in the presentation and planning of Montessori lessons across all curriculum areas. Candidates work cooperatively with a credentialed Montessori teacher, developing skills of observation and assessment, classroom management, and instructional techniques of presenting individual, small, and large group activities. In supporting the candidate's developing skills as a classroom teacher, this course provides opportunities for the application of knowledge in classroom planning, management, lesson presentation, and assessment. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 473 - Montessori Early Childhood Practicum I

(6) Credit Hours This course is the first semester of a two semester practicum in which candidates experience both urban and suburban settings. During this 15 week field placement, candidates will become a part of a classroom's teaching team. They will have the opportunity to apply material knowledge and theory, observe and assess, plan for curriculum development and individual and group lessons. Students will experience a diverse population and learn strategies to support their skill building. Candidates are placed by Supervising Teachers. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 474 - Montessori Early Childhood Practicum II

(6) Credit Hours This course is the second semester of a two semester practicum in both urban and suburban settings. During this 15 week field placement, candidates will become a part of a classroom's teaching team. They will have the opportunity to apply material knowledge and theory, observe and assess, plan for curriculum development and individual and group lessons. Students will experience a diverse population and learn strategies to support their skill building. Placement is determined by candidate's developmental outcomes in the previous semester. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 499 - Montessori Erdkinder

(3) Credit Hours This is a six day course on a working farm in North Carolina. Our stay on the farm will include riding and caring for the horses, working with other farm animals, learning about organic and sustainable farming, and learning typical crafts such as carving and knitting. During this experience participants form a strong community through seminars on stewardship and sustainability, shared work projects and activities that illustrate the cycle of life and death. This course is based on the writings of Dr. Maria Montessori and her belief that through purposeful work with the hand, the mind and spirit of the child develop. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDME 511 - Overview of Montessori Ed

(3) Credit Hours Gives the student an overview of Montessori philosophy and materials from the ages of 6-12 years, the elementary years. Students engage in hands-on learning experiences with the materials, as well as an understanding of the scope and sequence of them. Students will also gain an understanding of the curriculum and how it leads to the secondary level. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 512 - Montessori Classrooms: Structure & Organization

(3) Credit Hours This course is designed to support the mission statement of the Department of Childhood Education & Literacy by following up on the Curriculum Development course taken the previous summer and emphasizing the development of support for school-family communication structures through the development of a handbook and school policies. Through readings and Socratic seminars, the candidates also explore the management of the open classroom designed for a diverse group of adolescents and that leads the adolescent to be responsible and respectful. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 513 - Secondary Montessori Classrooms: Curriculum Development

(6) Credit Hours This course is designed to make future teachers better develop curriculum and coursework for a diverse population of adolescents through readings and experiences. It is expected that the candidate has an expert knowledge of the subject area in which he/she will create curriculum. Through examples of other curricula, candidates will be expected to create work for the adolescents that includes differentiation so all types of learners can be successful. Through excellent readings and the guidance of several teachers in this course, students are expected to create curriculum that inspires the adolescent, creates a curiosity about the subject matter, that connects the subject matter to the real world, and that meets state and local standards. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 516 - Montessori Pedagogy of Place

(3) Credit Hours This course will follow-up on the groundwork laid in the Erdkinder EDME 499 course. Through a variety of readings and hands-on experiences students will learn how to encourage thoughtful yet provocative Socratic discussions. Candidates in this course take part in an urban adaptation to the Erdkinder course, in this case the study of the history and ethnic neighborhoods of Cincinnati, and at the same time create, develop, and write a Pedagogy of Place course that they will implement in their own school settings. As with all courses in this program, this course emphasizes the Erdkinder values of Peace, Community, Hardwork, Respect, and Peace. The courses that students develop are required to be highly rigorous academic field studies that inspire the student by helping them invest in the local community and by allowing them access to experts and community organizers who care deeply about their neighborhoods. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 550 - Methods of Observation of Children

(3) Credit Hours The student will learn to observe the normal development of children from ages 2 1/2 to twelve years of age. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 551 - Montessori Education: Philosophical Approach

(3) Credit Hours This course allows students an in-depth study of Dr. Montessori's pedagogical philosophy. Topics covered include: Montessori theory from infancy through adolescence, cosmic education, and spiritual education. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 552 - Montessori Curriculum Design & Teaching Strategies: Primary

(3) Credit Hours Within this class setting is an opportunity for reflection on the day-to-day implementation of the Montessori philosophy; review, application, and enrichment of curriculum; feedback on classroom management techniques; design of integrated, sequenced Montessori curriculum, alignment with state and national academic content standards; and record keeping. Includes current educational research and trends in education. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 553 - Montessori Math & Geometry Methods

(3) Credit Hours Montessori Math and Geometry materials, methods, and instructional strategies for the 6 to 9 year old child. Course content includes progression from concrete to abstract materials, the four operations, math process, fact based materials, the foundations of Geometry-plane figures, angles, lines, triangles, quadrilaterals, and polygons. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 554 - Montessori Language Arts & Reading Methods

(3) Credit Hours Montessori materials, methods, and instructional strategies for the teaching of phonics, word study, creative writing, mechanics, and grammar to the 6 to 9 year old child. Literature integrated across the curriculum unit of study developed. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 555 - Montessori Cultural Subject Method

(3) Credit Hours Montessori materials, methods, and instructional strategies for the Montessori Cultural subjects and cosmic education for the elementary classroom. Course content includes Montessori history, geography, botany, and zoology. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 556 - Montessori Integraton of Curriculum: Primary

(3) Credit Hours Course designed as a seminar for candidates in Montessori elementary classrooms during their second semester of Practicum. During this course, candidates solidify their understanding, application, and enrichment of the integrated Montessori cosmic curriculum. Learning experiences in the areas of differentiated instruction, and understanding and application of state and national education data. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 557 - Montessori Language Enrichment

(3) Credit Hours Course designed to refine and enhance the Montessori teacher's philosophical application of the methods and materials for the teaching of phonics, creative writing, integrated cross curricular lesson plans, incorporation of culturally diverse picture and chapter books, and incorporation of higher level questioning strategies (Bloom's Taxonomy and Habits of Mind) into daily, developmentally appropriate practice. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 559 - Full Day Child Care Methods

(3) **Credit Hours** Research supported theories and issues concerning developmentally appropriate practices for early childhood centers, birth to eight years of age. Topics include: Day Care Licensing, transitions, administration, use of community resources, children's home experiences, child abuse, program planning, making adaptations for the special needs child, and parent involvement. Students will participate in field experiences in classrooms with children from births to eight years of age. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 563 - Early Cognitive Development

(3) **Credit Hours** This course introduces candidates to early childhood development. Content includes basic developmental theory as well as current research in development and the application of theory in developmentally appropriate classroom curriculum development and instruction. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 564 - Early Childhood/Montessori Methods

(3) **Credit Hours** Instructional strategies for the development of the senses, gross motor, fine motor, independent living activities, art, and music. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 566 - Montessori Curriculum Design & Teaching Strategies I: Early Childhood

(3) **Credit Hours** This seminar course supports the candidate's knowledge in managing all aspects of the classroom environment. Topics include community leadership, classroom management, instructional strategies for cross curricular planning, adaptations for a diverse population, and the alignment of Montessori curriculum to the State of Ohio Content Standards. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 567 - Montessori Curriculum Description & Teaching Strategies II: Early Childhood

(3) **Credit Hours** This seminar course supports the candidate's knowledge in managing all aspects of the classroom environment. Topics include community leadership, classroom management, instructional strategies for cross curricular planning, adaptations for a diverse population, and the alignment of Montessori curriculum to the State of Ohio Content Standards. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 570 - Montessori 9-12 Math Curriculum

(4) **Credit Hours** Montessori Math methods and materials for the 9 to 12 year old child. Concepts, integrated with the Ohio Academic Content Standards, include multiples and factors, fractions, decimals, percentage, integers, algebra, squaring and cubing, and problem solving strategies. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 571 - Montessori 9-12 Geometry Curriculum

(2) **Credit Hours** Students will study the Advanced Montessori Geometry methods and materials for the 9-12 year old child. Concepts, integrated with the Ohio Academic Content Standards, include angles, lines, triangles, quadrilaterals, polygons, area, volume, and the Pythagorem Theorem. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 572 - Montessori 9-12 Geography & History Curriculum

(2) **Credit Hours** Students will study the advanced Montessori methods and materials for the 9-12 year old child. Content includes Ohio history, government, and geography; United States and North American history, government, and geography; World/Ancient Civilizations, economic and funtional geography. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 573 - Montessori 9-12 Botany & Zoology Curriculum

(2) **Credit Hours** Montessori Biology methods and materials for the 9-12 year old child. Course content includes plant and animal classification, internal functions of vertebrates and invertebrates, types of plants, anatomy and physiology. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 574 - Montessori 9-12 Physical Science Curriculum

(2) **Credit Hours** In this course, students explore and investigate the Montessori methods and materials for the 9 to 12 year old child, and instructional strategies for Chemistry, Physics, Geology, and Meteorology. Lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 575 - Montessori 9-12 Language & Children's Literature

(2) **Credit Hours** Montessori methods, materials, and instructional strategies for teaching of the writing process, advanced Grammar studies, recent Children's literature, and poetry. Cross curricular lessons integrated with state and national academic content standards. Supplemental resources, assessments, and lesson plans created. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 576 - Phonics Skills for Early Childhood

(3) **Credit Hours** This course examines a child's development of language from birth to 9 years of age. Students receive instructional methodology in phonics skills, emergent reading, and the creative writing process in early childhood settings. Students develop skills in planning and aligning with the State of Ohio Content Standards. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 577 - Early Childhood Math & Science

(3) **Credit Hours** Instructional strategies for teaching math and sciences to children from ages three to eight years of age. Students develop skills in planning and aligning with the State of Ohio Content Standards. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 670 - Montessori Primary Practicum I

(3) **Credit Hours** Elementary candidate's first semester student teaching/internship experience. During this 15 week experience, candidates are involved in the presentation and planning of Montessori lessons across all curriculum areas. Candidates work cooperatively with a credentialed Montessori teacher, developing skills of observation and assessment, classroom management, and instructional techniques of presenting individual, small, and large group activities. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 671 - Montessori Primary Practicum II

(3) **Credit Hours** The candidate will refine and enhance knowledge and experiences during the second, fifteen week student teaching/internship experience. Candidate will be involved in the presentation and planning of Montessori lessons across all curriculum areas. Candidates work cooperatively with a credentialed Montessori teacher, developing skills of observation and assessment, classroom management, and instructional techniques of presenting individual, small, and large group activities. In supporting the candidate's developing skills as a classroom teacher, this course provides opportunities for the application of knowledge in classroom planning, management, lesson presentation, and assessment. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 673 - Montessori Early Childhood Practicum I

(3) **Credit Hours** This course is the first semester of a two semester practicum in which candidates experience both urban and suburban settings. During this 15 week field placement, candidates will become a part of a classroom's teaching team. They will have the opportunity to apply material knowledge and theory, observe and assess, plan for curriculum development and individual and group lessons. Students will experience a diverse population and learn strategies to support their skill building. Candidates are placed by Supervising Teachers. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 674 - Montessori Early Childhood Practicum II

(3) **Credit Hours** This course is the second semester of a two semester practicum in both urban and suburban settings. During this 15 week field placement, candidates will become a part of a classroom's teaching team. They will have the opportunity to apply material knowledge and theory, observe and assess, plan for curriculum development and individual and group lessons. Students will experience a diverse population and learn strategies to support their skill building. Placement is determined by candidate's developmental outcomes in the previous semester. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDME 911 - Observation: Key to Classroom Behavior

(1) **Credit Hours** Independent course that helps the student to observe in his/her classroom. Reflective journaling, timed observation and assessment tools are part of the curriculum. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 100 - Field Experience

(1) Credit Hours This course will provide structural field experiences in the middle or secondary school setting under the direction of and supervision of faculty. Weekly seminars are held on campus. Open to Graduate Students, ONLY. Field experience required. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDMS 131 - Professional Education

(3) Credit Hours This course provides an introduction to the teaching profession through a philosophical, historical and multicultural approach. The student will examine beliefs, motives, values and behaviors as they relate to the teaching profession. Field experiences are required. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDMS 207 - World & Cultural Geography

(3) Credit Hours This course will provide students an understanding of the realms and regions of the world, including specifics of structure, location and issues. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 325 - Methods/Curriculum/Assessment in Foreign Language

(3) Credit Hours The methods, materials and current trends in teaching foreign languages in grades K - 12 will be studied. Field experiences are required. Pre-requisite: Permission of the Director of Secondary Education, Oral Proficiency Test. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 330 - Methods/Curriculum/Assessment in Mathematics

(3) Credit Hours This course provides an introduction to the teaching methodologies, assessment techniques and curricular issues as they pertain to the teaching of mathematics. Field experiences are required. **Prerequisites:** EDMS 131 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 331 - Methods/Curriculum/Assessment in English Language

(3) Credit Hours This course provides an introduction to curricular content, teaching methodology and assessment techniques as they pertain to candidates preparing for initial licensure in the teaching of English language arts. Field experiences are required. **Prerequisites:** EDMS 131 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 332 - Methods/Curriculum/Assessment in Sciences

(3) Credit Hours This course provides an introduction to teaching methodologies, safety issues, assessment techniques and curricular issues as they pertain to candidates preparing for initial licensure in the teaching of science. Field experiences are required. **Prerequisites:** EDMS 131 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 333 - Methods/Curriculum/Assessment in Social Studies

(3) Credit Hours This course provides an introduction to teaching methodologies, safety issues, assessment techniques and curricular issues as they pertain to candidates preparing for initial licensure in the teaching of social studies. Field experiences are required. **Prerequisites:** EDMS 131 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 335 - Methods/Curriculum/Assessment in Ancient Language

(3) Credit Hours This course provides an introduction to the teaching methodologies, assessment techniques, and curricular issues as they pertain to candidates preparing for initial licensure in the teaching of Ancient Languages. Field experiences. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 350 - Technology & Topics for Education

(3) Credit Hours This course explores topics which include technology in education, school law and teacher liability, classroom management, discipline and instructional planning. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 411 - Clinical Experiences: Secondary

(1) **Credit Hours** Clinical experiences in the school, among childhood and middle school learners, and adolescent to young adult learners. Diagnosis of learning problems. Remediation. Assessment techniques and best practices. A weekly seminar. Field experiences are required. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 470 - Student Teaching: Secondary

(9) **Credit Hours** A weekly seminar and daily laboratory experience in secondary school teaching for one semester under a licensed master teacher. Prior to registration, the student must make a formal application by the stated deadline and meet the GPA and other requirements on file in the Education Department. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDMS 471 - Student Teaching: Multi-Age

(9) **Credit Hours** A weekly seminar and daily laboratory experience in the elementary and in the secondary school teaching for the entire semester under licensed master teachers. Prior to registration, the student must make a formal application by the stated deadline and meet the GPA and other requirements on file in the Education Department. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDMS 500 - History & Philosophy of Education in the U.S.

(3) **Credit Hours** This course offers a foundation of education from two perspectives: history and philosophy; it effectively melds the two disciplines in an interdisciplinary manner as grounding for the field of education in the United States. Emphasis will be placed on surveying both areas and will employ technology, library resources, and critical thinking skills (that is, information fluency) in its approach. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 525 - Methods/Curriculum/Assessment in Foreign Language

(3) **Credit Hours** The methods, materials and current trends in teaching foreign languages in grades K - 12 will be studied. Field experiences are required. Prerequisite: Permission of the Director of Secondary Education, Oral Proficiency Test. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 530 - Methods/Curriculum/Assessment in Mathematics

(3) **Credit Hours** This course provides an introduction to the teaching methodologies, assessment techniques and curricular issues as they pertain to the teaching of mathematics. Field experiences are required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 531 - Methods/Curriculum/Assessment in English Language

(3) **Credit Hours** This course provides an introduction to curriculum content, teaching methodology and assessment techniques as they pertain to candidates preparing for initial licensure in the teaching of English language arts. Field experiences are required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 532 - Methods/Curriculum/Assessment in Sciences

(3) **Credit Hours** This course provides an introduction to teaching methodologies, safety issues, assessment techniques and curricular issues as they pertain to candidates preparing for initial licensure in the teaching of science. Field experiences are required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 533 - Methods/Curriculum/Assessment in Social Studies

(3) **Credit Hours** This course provides an introduction to teaching methodologies, assessment techniques and curricular issues as they pertain to candidates preparing for initial licensure in the teaching of social studies. Field experiences are required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 535 - Methods/Curriculum/Assessment in Ancient Languages

(3) Credit Hours This course provides an introduction to the teaching methodologies, assessment techniques, and curricular issues as they pertain to candidates preparing for initial licensure in the teaching of Ancient Languages. Field experiences. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 550 - Technology & Topics for Teachers

(3) Credit Hours This course explores topics which include technology in education, school law and teacher liability, classroom management, discipline and instructional planning. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDMS 999 - Initial Advising

(0) Credit Hours The rationale for the creation of this 0-semester hour course is that it allows graduate students in the secondary education teacher licensure program to register for undergraduate content courses at Xavier for which they have met prerequisite requirements, but at other colleges or universities. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 238 - Active Games & Contests

(2) Credit Hours A wide range of elementary physical education games and contests for the gymnasium, playground, field and classroom. Activities are analyzed with regard to age appropriateness and game structure. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 240 - Elementary gymnastics & Rhythmic

(2) Credit Hours A wide range of elementary physical education games and contests for the gymnasium, playground, field and classroom. Activities are analyzed with regard to age appropriateness and game structure. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 269 - Coaching Golf

(2) Credit Hours Playing golf. Golf course operations. Putting, short game, iron play, wood play, and course management. Rules of golf and proper golf etiquette. History of the game, golf and the workplace, coaching, equipment, and organization of outings. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 271 - Intermediate & Advanced Gymnastics

(2) Credit Hours A logical system for presenting gymnastics and tumbling skills performed on the apparatus. Physics or mechanics of physical action. A logical basis for analyzing success or failure of the learner. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 272 - Coaching Football

(2) Credit Hours A study of the theories, skills, strategies and methods related to coaching football. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 273 - Coaching Basketball

(2) Credit Hours Develop basic basketball coaching skills for youth, junior and high school levels. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 274 - Coaching Baseball

(2) Credit Hours Introduce students to the fundamentals of baseball and coaching. The students will be able to identify these skills and teach them to their players. In addition to the fundamentals of baseball and coaching, the students will also be introduced to strategies employed during the game and in the building of a team and a program. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 275 - Coaching Track & Field

(2) Credit Hours Study history of track and field and examine philosophies and trends in coaching. To develop knowledge of the various events and the proper organization of track meets. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 277 - Coaching Volleyball

(2) **Credit Hours** Introduce students to the game of volleyball in terms of both individual knowledge and techniques of the game and coaching skills at a beginning level. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 278 - Coaching Soccer

(2) **Credit Hours** An overview of the game of soccer from a coaching perspective. The course will focus on player development, practice organization, match analysis, team preparation, and soccer organizations. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 279 - Teaching Racquet Sports

(2) **Credit Hours** Introduce students to the fundamentals of racquet sports (tennis, badminton, squash and racquetball). **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 313 - Strength & Conditioning Program Development

(3) **Credit Hours** Organization and administration of individual and sport-specific strength and conditioning programs and weight management. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 342 - Methods in Secondary Physical Education

(3) **Credit Hours** Instructional strategies and competencies in teaching secondary physical education. Efficient and effective methods through a variety of class activities. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 384 - Elem Sch Hlth/PE for Class Tea

(3) **Credit Hours** Background information, skills, and activities teachers need to implement comprehensive school health and physical education at various grade levels. The basic information to develop and present a variety of lessons and activities in health and physical education. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 385 - Physical Education in the Elementary School

(2) **Credit Hours** Background information, skills, and activities teachers need to implement comprehensive school health and physical education at various grade levels. The basic information to develop and present a variety of lessons and activities in health and physical education. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 386 - Kinesiology

(2) **Credit Hours** Fundamentals of human motion as it relates to physical education activities and skill performance. Fundamental principles of muscle action, muscle control, and biomechanics pertaining to movement. Co-requisite: EDPE 387 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 387 - Kinesiology Lab

(1) **Credit Hours** Study of fundamentals of human motion as they relate to physical education activities and skill performance. Fundamental principles of muscle action pertaining to movement. Co-requisite: EDPE 386 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 388 - Biomechanics

(3) **Credit Hours** An analysis, evaluation and application of mechanical factors influencing a wide range of motor skill movements. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 392 - Sensory Integration & Movement Education

(3) Credit Hours The physical education teacher and coach recognizing and identifying sensory, motor development, motor learning, and performance processes. Practical application of skill acquisition, use of feedback, and preparations and strategies for designing practice. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 460 - Curriculum in Physical Education

(2) Credit Hours Development and understanding of curriculum development. Focus on the social and psychological factors in curriculum development, and on the systematic planning, developing, implementing, evaluating, and improving of curriculum. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 470 - Independent Study

(1 to 3) Credit Hours Investigate an area of interest within the area of sport studies. Pre-requisite: Advisor's approval **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 472 - Student Teaching: Physical Education K-12 & Seminar

(9) Credit Hours Daily laboratory experience in pre-K-12 teaching. Weekly on-campus seminar. A semester under a master teacher. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 542 - Methods in Secondary Physical Education

(3) Credit Hours Instructional strategies and competencies in teaching secondary physical education with efficient and effective methods through a variety of class activities. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 560 - Curriculum in Physical Ed

(3) Credit Hours The understanding and development of curriculum. Focus on the social and psychological factors to be considered in curriculum development, and on the systematic planning, developing, implementing, evaluating, and improving of curriculum. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 569 - Coaching Golf

(3) Credit Hours Playing golf and how a golf course operates. Putting, short game, iron play, wood play, and course management. The rules of golf and proper golf etiquette. The history of the game; golf and the workplace; coaching; equipment; and organization of outings. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 571 - Advanced Gymnastics & Tumbling

(3) Credit Hours Techniques and methods are designed and organized for a logical system for presenting gymnastics and tumbling skills performed on the apparatus. Basic physics or mechanics and physical action. Further understanding is required to provide a logical basis for analyzing success or failure of the learner. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 572 - Coaching Football

(3) Credit Hours A study of the theories, skills, strategies and methods related to coaching football. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 573 - Coaching Basketball

(3) Credit Hours Develop basic basketball coaching skills for youth, junior and high school levels. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 574 - Coaching Baseball

(3) Credit Hours Introduce students to the fundamentals of baseball and coaching. The students will be able to identify these skills and teach them to their players. In addition to the fundamentals of baseball and coaching, the students will also be introduced to strategies employed during the game and in the building of a team and a program. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 575 - Coaching Track & Field

(3) Credit Hours Study history of track and field and examine philosophies and trends in coaching. To develop knowledge of the various events and the proper organization of track meets. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 576 - Theory & Principles of Coaching

(3) Credit Hours The profession of coaching. The roles of a coach in various aspects. The basic knowledge on developing a positive coaching philosophy, applying coaching principles, and using sport management skills in coaching practices effectively. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 578 - Coaching Soccer

(3) Credit Hours An overview of the game of soccer from a coaching perspective. The course will focus on player development, practice organization, match analysis, team preparation, and soccer organizations. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 581 - Testing & Evaluation in Sports/Physical Education

(3) Credit Hours The fundamental concepts and techniques of test and measurement. The basic statistical tools to treat collected data for the analysis and interpretation of test results. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 585 - Trends: Physical Education in Elementary School

(3) Credit Hours Physical education with an emphasis on past trends, meeting children's needs through games and play, curriculum development, youth sports, and the relationship between physical activity and intellectual growth. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 596 - Elementary School Health/Physical Education for Classroom Teaching

(3) Credit Hours Background information, skills, and activities teachers need to implement comprehensive school health and physical education. The basic information to develop and present a variety of lessons and activities in health and physical education. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 640 - Administration of School Athletics & Physical Education

(3) Credit Hours The administrative and managerial duties of the physical education teacher, athletic trainer, sport administrator, and coach. Such topics as leadership and supervision, organizational structure and climate, human relations communication, sport law, equipment purchasing, budget management, pre-participation physical examinations, drug testing, and facility and event management will be addressed. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 642 - Sensory Integration & Movement Education

(3) Credit Hours Recognizing and identifying sensory, motor learning, and performance processes. Practical application of skill acquisition, use of feedback, preparations, and strategies for designing practice. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 644 - Nutrition

(3) Credit Hours Nutrition and its role in human performance. Classes of nutrients, their physiological functions, and their role in sports and fitness. Nutritional supplements and ergogenic doping. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 652 - Leadership in Outdoor Education

(3) Credit Hours Techniques for outdoor education programs. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 653 - Biomechanics

(3) **Credit Hours** An analysis, evaluation, and application of mechanical factors influencing a wide range of motor skill movements. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 654 - Kinesiology

(3) **Credit Hours** Fundamentals of human motion as they relate to physical education activities and skill performance. Fundamental principles of muscle action, muscle control, and biomechanics pertaining to movement. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDPE 667 - Physiology of Exercise

(3) **Credit Hours** Human physiology as it relates to exercise and physical activity. Bioenergetics, muscle physiology, cardiovascular physiology, environmental physiology, ergogenics, special populations, and health and fitness. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 269 - Phonics & Foundation of Literacy

(3) **Credit Hours** History of the English language, linguistics, and the use of phonetics as it relates to the reading process. Phonics and phonemic awareness as major strategies in comprehension for emergent readers. Holistic philosophy and teaching. A minimum of 15 hours of field work required. This course is cross-listed with EDRE 569. **Prerequisites:** Undergraduate level EDFD 100 Minimum Grade of B or Undergraduate level EDFD 110 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 296 - Adult and Family Literacy

(3) **Credit Hours** The literature and key figures working in the area of literacy; the Literacy Volunteers of America certified training in Basic Reading Tutor Training. Research into the problem of illiteracy. Weekly in-service practice in a neighborhood literacy center. EDRE 296 is offered as part of the reading program and as an E/RS Focus elective course. This course cannot be used towards the Reading Endorsement K-12. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 312 - Reading Methods for Early Childhood

(3) **Credit Hours** Developmental process of reading for emergent readers in early childhood. Holistic philosophy as it relates to phonics, phonemic awareness, vocabulary development, fluency, structural analysis, spelling, comprehension, and children's literature. Integration of speaking, listening, reading, and writing strategies across the curriculum. A minimum of 10 hours of field work required. **Prerequisites:** (Undergraduate level EDFD 100 Minimum Grade of B and Undergraduate level EDFD 110 Minimum Grade of C and Undergraduate level EDEC 210 Minimum Grade of C) or (Undergraduate level EDRE 269 Minimum Grade of C) **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 314 - Reading Methods for Middle Childhood

(3) **Credit Hours** Developmental process of reading for the middle school child. Holistic philosophy as it relates to content reading material and determining the needs of children in the content classroom. Skills and strategies for higher level thinking, creative and informational writing, study skills and the use of multiple genres of children's literature. A minimum of 10 hours of field work required. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 471 - Content Area Literacy

(3) **Credit Hours** The teaching of reading across the curriculum. Skill development, diagnostic techniques, prescriptive teaching, readability formulas and strategies, and materials for early childhood through secondary teaching. A minimum of 15 hours field work required. **Prerequisites:** Undergraduate level EDRE 269 Minimum Grade of C or Undergraduate level EDME 376 Minimum Grade of C) and (Undergraduate level EDRE 312 Minimum Grade of C or Undergraduate level EDRE 314 Minimum Grade of C) **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 472 - Theories of Reading

(3) **Credit Hours** An historic study and comprehensive analysis of the reading process from definition to application. Cyclical changes, current research and classroom application demonstration. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 478 - Diagnosis/Correction of Reading Disabilities

(3) Credit Hours Formal and informal testing for reading related disabilities surveyed. Factors associated with reading problems. Miscue analysis, portfolio assessment emphasized. Assessment portfolio for classroom use developed. Minimum of 25 hours of field work required. **Prerequisites:** (Undergraduate level EDRE 269 Minimum Grade of C or Undergraduate level EDME 376 Minimum Grade of C) and (Undergraduate level EDRE 312 Minimum Grade of C or Undergraduate level EDRE 314 Minimum Grade of C) **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 479 - Practicum in Reading

(3) Credit Hours Application of reading strategies and philosophical understandings of the reading process in a clinical setting. Holistic lesson planning and tutoring based upon portfolio assessment in EDRE 478. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 512 - Reading Methods for Early Childhood

(3) Credit Hours Development process of reading for emergent readers in early childhood. Holistic philosophy as it relates to phonics, phonemic awareness, vocabulary development, fluency, structural analysis, spelling, comprehension, and children's literature. Integration of speaking, listening, reading, and writing strategies across the curriculum. A minimum of 10 hours of field work required. **Prerequisites:** Graduate level EDRE 569 Minimum Grade of C or Graduate level EDME 576 Minimum Grade of C or Graduate level EDME 576 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 514 - Reading Methods for Middle Childhood

(3) Credit Hours Developmental process of reading for the middle school child. Holistic philosophy as it relates to content reading material and determining the needs of children in the content classroom. Skills and strategies for higher level thinking, creative and informational writing, study skills and the use of multiple genres of children's literature. A minimum of 10 hours of field work required. **Prerequisites:** Graduate level EDRE 569 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 569 - Phonics & Foundation of Literacy

(3) Credit Hours History of the English language, linguistics, and the use phonics as it relates to the reading process. Phonics and phonemic awareness as major strategies in comprehension for emergent readers. Holistic philosophy and teaching. A minimum of 15 hours of field work required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 584 - Effective Literacy Instruction

(3) Credit Hours Advanced course in literacy teaching. Identifies essential knowledge, skills, and dispositions that are considered foundational in teaching, reading, and writing. Content organized into components of comprehensive and coherent program. Emphasizes effective instruction rooted in scientific research in literacy education within a standards-based system. A minimum of 15 hours of field work required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 671 - Content Area Literacy

(3) Credit Hours The teaching of reading across the curriculum. Skill development, diagnostic techniques, prescriptive teaching, readability formulas and strategies, and materials for early childhood through secondary teaching. A minimum of 15 hours field work is required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 672 - Theories of Reading

(3) Credit Hours An historic study and comprehensive analysis of the reading process from definition to application. Cyclical changes, current research and classroom application demonstration. a minimum of 15 hours of field work required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 675 - Current Research in Reading

(3) Credit Hours Study of Scientifically Based Reading Research (SBRR) as it relates to teacher education, licensure, and applied classroom pedagogy. Focus on current research in reading, writing, speaking and listening and the impact research has on current teaching trends. A minimum of 15 hours field work is required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 678 - Diagnosis/Correction of Reading Disabilities

(3) Credit Hours Formal and informal testing for reading related disabilities. Factors associated with reading problems. Miscue analysis, portfolio assessment emphasized. Assessment portfolio for classroom use developed. A minimum of 25 hours of field work required. **Prerequisites:** (Graduate level EDRE 569 Minimum Grade of C and Graduate level EDRE 512 Minimum Grade of C or Graduate level EDRE 514 Minimum Grade of C) or (Graduate level EDRE 554 Minimum Grade of C and Graduate level EDRE 576 Minimum Grade of C) **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 679 - Practicum in Reading

(3) Credit Hours Application of reading strategies and philosophical understandings of the reading process in a clinical setting. Holistic lesson planning and tutoring based upon portfolio assessment in EDRE 678. A minimum of 30 hours of field work required. **Prerequisites:** Graduate level EDRE 678 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 684 - Integrated Language Arts

(3) Credit Hours Graduate course developing the teaching of reading, writing, speaking, and listening and the identified interconnectedness across the curriculum. Focus is on meeting multiple State Benchmarks for the Language Art Standards in daily preparation of language-focused learning. This course is both research-oriented as well as field-based. A minimum of 15 hours of field work required. **Prerequisites:** Graduate level EDRE 569 Minimum Grade of B and Graduate level EDRE 672 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDRE 685 - Teaching Reading to Children with Special Needs

(3) Credit Hours Graduate course that extends the holistic teaching of reading to those students who possess language and language learning in a multitude of ways. Focus will include developmentally appropriate practices and strategies for identified special needs students, ESL students, and gifted students. A minimum of 15 hours of field work is required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 200 - Special Education: Identification & Issues

(3) Credit Hours This course provides an overview of national and state policies, the etiology, assessments, classification, and issues of individuals and families with exceptional needs as well as the need for special education services and adaptations to the general education classroom. This course also addresses the process of collaborating to develop and write an individualized education program (IEP) to identify the adaptations and services needed by a student with a disability. Required field experience in diverse settings - 5 field hours. **Course Attributes:** Social Science - Univ Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 201 - Introduction to Emotionally Disturbed Children

(3) Credit Hours This course provides an overview of maladaptive behavior in school aged children and adolescents which addresses the psychological and medical factors affecting development. Other areas addressed are: social/emotional/family aspects, adaptive behaviors, social imperceptiveness, social competence, social isolation, learned helplessness, juvenile delinquency, medications, and evaluation of etiological factors. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 203 - Special Education: Communication & Collaboration

(3) Credit Hours This course addresses the issues and practices concerning family systems and role of family; models and strategies for consultation and collaboration; effective communication with families, school personnel; and professional ethics, responsibilities and confidentiality. Students experience self-assessment and interpersonal skills needed for teaming and collaboration in educational settings with parents, teachers, administrators, paraprofessionals and other specialists covering all exceptionalities and cultural settings. Role playing, videotaping, and small group practices in teaming and collaboration roles. Required field experience in diverse settings - 5 field hours. **Prerequisites:** Undergraduate level EDFD 110 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 204 - Reading Assessment & Strategies-Language Processing Problems

(3) Credit Hours This course provides the students with the knowledge and skills for diagnostic assessment of developmental language processing problems related to literacy skills of reading, writing, listening and speaking for students with and without disabilities; reading remediation strategies including technology; speech and language acquisition and learning theories (first and second language); and supervision of reading/language instruction across the curriculum K-12 in diverse cultural school settings. Review Ohio curriculum for foreign instruction and Ohio Model Competency-Based Language Arts. Required field experiences in diverse settings - 10 field hours. **Prerequisites:** Undergraduate level EDRE 471 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 205 - Foundations in Early Childhood Special Education

(3) Credit Hours Students in this course address the historical and philosophical foundations of services for young children; impact of sensory impairments, physical and health disabilities for individuals, families, and society. Research supported theories and issues concerning early childhood special education practices and methods; identification of at risk needs awareness, IFSP and IEP procedures and issues, developmentally appropriate practices; biological and environmental learning and developmental factors; medical/health issues, responsibilities, training, and implications for learning and prevention for educational settings. Articulation of personal philosophy of special education. CPR and First Aid Training and certification required. Required field experiences in diverse settings - 10 field hours. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 348 - Physical/Mental/Medical Disabilities

(3) Credit Hours This course will expose students to the different types and causes of disabilities they are likely to find in their employment; learning about many of the different therapies, both pharmacological and other forms that have been proposed and presented to treat these disabilities; gaining of the knowledge and skills to help individuals and families with disabilities sort out the helpful from the hopeless therapies and treatments. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 360 - Mild/Moderate Characteristics & Strategies

(3) Credit Hours This course is designed to provide the students with a basic knowledge of mild to moderate disabilities. The course focuses on definitions and diversity in characteristics (including perceptual, cognitive, linguistic, academic, and social/emotional qualities) for individuals with mild to moderate disabilities as well as the major past and present educational and legal issues relevant to those individuals. Required field experience in diverse settings - 6 field hours.

Prerequisites: Undergraduate level EDSP 200 Minimum Grade of B and Undergraduate level EDFD 110 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 362 - Mild/Moderate Support Services

(3) Credit Hours Students in this course address service, transitional and resources issues, strategies, techniques used to integrate students with mild/moderate disabilities into diverse educational, social and community settings. Emphasis is on service delivery needs and issues for families; career vocational, health/medical and safety issues, training and intervention/prevention services; working with and guiding paraprofessionals; and support services for at risk students which includes legal aspects and responsibilities. First Aid and CPR training and certification required. Required field experience in diverse settings - 10 field hours.

Prerequisites: Undergraduate level EDSP 360 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 363 - Special Education: Assessment & Evaluation

(3) Credit Hours The student taking this course will demonstrate the ability to administer non-biased formal assessments. They will be able to make the connection between assessment and instruction, use assessment information in eligibility program and placement decisions for individuals with mild/moderate learning needs, including those from culturally and/or linguistically diverse backgrounds. Students will also demonstrate the ability to select, adapt, and modify assessments to accommodate the unique abilities and needs of individuals with mild/moderate and at-risk disabilities. This is a LAB class that requires administering, scoring, and explaining test results. Students will keep a test log to document the field hours. **Prerequisites:** Undergraduate level EDSP 360 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 364 - Developmentally Appropriate Instructional Materials

(3) Credit Hours University students will demonstrate the ability to select and use specialized instructional strategies for students with mild/moderate learning needs that are age and ability appropriate. This will include multiple theoretical approaches as well as instructional methods to strengthen and compensate for deficits in perception, comprehension, memory, and retrieval. Students use strategies to facilitate maintenance and generalization across environments. Students use methods to teach mathematics appropriate to students with disabilities. This is a lab class, students are expected to create developmentally appropriate educational materials after class and demonstrate their use in class. **Prerequisites:** Undergraduate level EDSP 363 Minimum Grade of B or Undergraduate level EDSP 392 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 365 - Curriculum Practices: Mild Disabilities

(3) Credit Hours This course focuses on the role or responsibilities of the intervention specialists as it relates to curriculum adaptations and modifications and research supported instructional strategies and practices related to individual mild learner needs with a variety of disabilities. Students will develop and implement instructional plans for active learner participation which incorporates application of assessment, planning, implementing, and managing procedure for individual learners with mild cognitive and mild to severe affective/social/emotional behavioral needs across the curriculum. Required field experiences in diverse settings - 30 hours. **Prerequisites:** Undergraduate level EDSP 364 Minimum Grade of B and (Undergraduate level EDSP 393 Minimum Grade of B or Undergraduate level EDSP 374 Minimum Grade of B) **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 367 - Special Education: Behavior & Social Skills Management

(3) Credit Hours This course is designed to provide the student with the knowledge to develop and implement instructional and behavioral plans and programs for students with emotional and behavior problems that address social skills; strategies for crises prevention and intervention; self advocacy; procedures to increase self-awareness, self-management, self control; self-reliance, and self-esteem; self-enhancing behavior in response to societal attitudes and actions. Students will be prepared to manage verbal and physical acting out behaviors. Required field experiences in diverse settings - 8 hours. **Prerequisites:** Undergraduate level EDSP 380 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 370 - Moderate/Intensive Characteristics & Strategies

(3) Credit Hours This course is designed to provide the student with a basic knowledge of moderate to severe disabilities. Topics include definitions, identification procedures, due process rights, cultural and linguistic diversity, and characteristics for individuals with intellectual disabilities, including medical aspects; individuals who display developmental as well as multiple handicaps; and other conditions. The course will also deal with the major past and present educational, social/emotional, and legal issues relevant to those individuals. These issues will be referenced to inclusive practices that focus on the similarities between students with moderate to severe disabilities and their typical peers. Required field experience in diverse settings - 6 hours. **Prerequisites:** Undergraduate level EDSP 200 Minimum Grade of B and Undergraduate level EDFD 110 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 372 - Communication Strategies & Techniques

(3) Credit Hours This course will focus on understanding and implementation of everyday functional communication methods and techniques through various theories, systems and technologies for individual students with moderate and intensive needs; classroom strategies and techniques in learning environment; selection/implementation of augmentative or alternative communication devices/systems; adaptations/assistive technology; medical care and methods with technology/family support and resources. LAB field experience is required with documentation. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 373 - Moderate/Intensive Assessment & Evaluation

(3) Credit Hours University students taking this class will demonstrate the ability to administer nonbiased formal and informal assessments. They will be able to make the connection between assessment and instruction. Students will also demonstrate the ability to select, adapt, and modify assessments to accommodate the unique abilities and needs of individuals with moderate/severe disabilities (including functional assessments, task analysis and alternate assessments). Students will demonstrate the procedures for assessing and reporting both appropriate and problematic social behaviors of individuals with disabilities. Students demonstrate the reliable methods of response of individuals who lack typical communication and performance behaviors. This is a LAB class which requires that students administer, score and explain test results. Students will keep a test log to document field hours. **Prerequisites:** Undergraduate level EDSP 370 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 374 - Curriculum Practices: Moderate Disabilities

(3) Credit Hours This course focuses on curriculum theories and practices related to students with moderate disabilities in elementary through secondary education programs. Course content will focus on designing applied curriculum and multi-leveled instruction for active learner participation in inclusive educational environments which incorporate evaluating, planning, implementing, and managing procedures that are appropriate for individual needs. Required field experience in diverse settings - 30 hours. **Prerequisites:** Undergraduate level EDSP 360 Minimum Grade of B or Undergraduate level EDSP 370 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 376 - Moderate/Intensive Support Services

(3) Credit Hours This course focuses on the relationship between local and state support delivery services for individuals with moderate and intensive physical, mental and medical disabilities K-12; networks, organizations, resources, strategies and techniques used to integrate students requiring moderate/intensive services into diverse educational, social, and community settings including assistive technology/devices, residential treatment, rehabilitation, career/vocational, health/medical; use strategies that promote successful transitions for individuals with exceptional learning needs; identify supports needed for integration into various program placements; structure, direct and support the activities of paraeducators, volunteers, and tutors; assist family in planning transitions; and, act ethically in advocating for appropriate service. Required field experiences in diverse settings - 10 hours. CPR and First Aid Training and Certification required. **Prerequisites:** Undergraduate level EDSP 370 Minimum Grade of B or Undergraduate level EDSP 391 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 380 - Classroom Management

(3) Credit Hours Seminar course for teacher preparation (K - 12) concerning laws, policies, and ethical principles regarding behavior management, planning and implementation; establishing and maintaining positive classroom management; effective teaching/learning conditions and adaptations necessary for a healthy learning environment; useful and practical organizational procedures; problem solving/decision making techniques and strategies; communication skills necessary for classroom management; management practices concerning diverse classroom population and individualized learning. Required field experiences in diverse settings - 10 hours. **Prerequisites:** Undergraduate level EDSP 200 Minimum Grade of B or Undergraduate level EDFD 110 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 381 - Play & Its Role in Dev & Learn

(3) **Credit Hours** Students will focus on demands and management of the learning environment. This includes teacher attitudes and behavior. Course will also address play based skills and techniques; behavior management techniques; social skills planning and implementation; creating, supporting, facilitating interactive safe diverse learning. Required field experience in diverse settings - 8 hours. **Prerequisites:** Undergraduate level EDSP 205 Minimum Grade of B **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDSP 389 - Program Practices: Severe/Intensive Disabilities

(3) **Credit Hours** This course focuses on specialized interventions for individuals with physical and health disabilities in educational settings; specialized materials for individuals with disabilities; prevention and intervention strategies for individuals with disabilities; technology for planning and managing the teaching and learning environment; select and plan for integration of related services into the instructional program, create or adapt appropriate learning plans; design and implement curriculum strategies for medical self-management procedures; use appropriate adaptations and assertive technology for all individuals with disabilities. Required field experiences in diverse settings - 30 hours. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 391 - Early Childhood Special Education Learning Theories

(3) **Credit Hours** Students will investigate and observe learning theory models as a foundation for early childhood intervention - understand development of infants and young children along with the ability to identify specific disabilities and describe implications for development and learning; use instructional practices based on knowledge of the child, family, community, and the curriculum; and support and facilitate family and child interactions as primary contexts for learning and development. Required field experiences in diverse settings - 6 hours. **Prerequisites:** Undergraduate level EDSP 205 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 392 - Early Childhood Special Education: Observation & Assessment

(3) **Credit Hours** Students will demonstrate knowledge and skills with Early Childhood/Special Education intervention assessment, evaluation, techniques and report writing. This LAB course includes how to select, adapt, and administer formal and informal performance based assessment for specific sensory/motor, cognitive, and social disabilities; data collection, summarization, information integration and team collaboration in various settings (home, public/private centers, schools, classrooms, community agencies); staff and program assessment and evaluation; consultation service practice. LAB field experience required. **Prerequisites:** Undergraduate level EDSP 391 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 393 - Early Childhood Special Education: Curriculum Practices

(3) **Credit Hours** Students in this course will demonstrate curriculum practices of selection, designing and developing ECSPED intervention classroom methods/materials; implement developmentally appropriate individual family/activities; systematic instruction; assess develop/progress; participation with interdisciplinary, interagency and intra-agency teams; design/plan/implement process and strategies for transitions; demonstrate understanding of foundations of curriculum, research-based practices. Required field experiences in diverse settings - 30 hours. **Prerequisites:** Undergraduate level EDSP 392 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 395 - Independent Study & Research

(1 to 6) **Credit Hours** Special topics examined through independent research. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 400 - Mild/Moderate Student Teaching

(10) **Credit Hours** This clinical experience course is taken when the student has finished all of the required coursework, completed the application process. Required clinical experience in diverse settings - 16 weeks. In order to take this course, students must have passed all PRAXIS tests, completed all coursework, and have permission of the program director. **Prerequisites:** Undergraduate level EDSP 365 Minimum Grade of B **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 401 - Teaching Seminar

(2) **Credit Hours** Students will demonstrate and articulate professional and personal philosophies of special education, including ethics and standards, objective judgments; research applications and reflective practices concerning teaching/learning. Completion of professional portfolio is required. **Prerequisites:** Graduate level EDSP 400 Minimum Grade of S or Graduate level EDSP 402 Minimum Grade of S or Graduate level EDSP 403 Minimum Grade of S **Co-requisites:** EDSP 400 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 402 - Moderate/Intensive Student Teaching

(10) Credit Hours This clinical experience course is taken when the student has finished all of the required coursework, and completed the application process, and passed all required tests. Required clinical experience in diverse settings - 16 weeks. To enroll in this course, students must have passed all PRAXIS tests, completed all coursework, and have permission of the program director. **Prerequisites:** Undergraduate level EDSP 374 Minimum Grade of B and Undergraduate level EDSP 389 Minimum Grade of B **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDSP 403 - Early Childhood Special Education Student Teaching

(10) Credit Hours This clinical experience course is taken when the student has finished all of the required coursework, and completed the application process, and passed all required tests. Required clinical experience in diverse settings - 16 weeks. To enroll in this course, students must have passed all PRAXIS tests, completed all coursework, and have permission of the program director. **Prerequisites:** Undergraduate level EDSP 389 Minimum Grade of B and Undergraduate level EDSP 393 Minimum Grade of B and Undergraduate level EDSP 365 Minimum Grade of B **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDSP 448 - Service Providers: Internship

(9) Credit Hours Participation in two (2) separate field placements, each eight (8) weeks in duration. From pre-internship experiences, these placements will be planned, supervised and evaluated through collaboratively developed goals and objectives. Student will assume duties of the placement as a transition specialist. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Education*

EDSP 500 - Special Education: Identification & Issues

(3) Credit Hours This course provides an overview of national and state policies, the etiology, assessments, classification, and issues of individuals and families with exceptional needs as well as the need for special education services and adaptations to the general education classroom. The course also addresses the process of collaborating to develop and write an individualized education program (IEP) to identify the adaptations and services needed by a student with a disability. Required field experience in diverse settings - 5 field hours. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 501 - Introduction to Emotionally Disturbed Children

(2 to 3) Credit Hours This course provides an overview of maladaptive behavior in school aged children and adolescents which address the psychological and medical factors affecting development. Other areas addresses are: social/emotional/family aspects; adaptive behaviors; social imperceptiveness; social competence; social isolation; learned helplessness; juvenile delinquency; medications; and evaluation of etiological factors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 503 - Special Education: Communication & Collaboration

(3) Credit Hours This course addresses the issues and practices concerning family systems and role of family; models and strategies for consultation and collaboration; effective communication with families, school personnel; and, professional ethics, responsibilities and confidentiality. Students experience self-assessment and interpersonal skills needed for teaming and collaboration in educational settings with parents, teachers, administrators, paraprofessionals, and other specialists covering all exceptionalities and cultural settings. Role playing, videotaping, and small group practices in teaming and collaboration roles. Required field experience in diverse settings - 5 hours. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 504 - Reading Assessment & Strategies-Language Processing Problems

(3) Credit Hours This course provides the candidate with the knowledge and skills for diagnostic assessment of developmental language processing problems related to literacy skills of reading, writing, listening, and speaking for students with and without disabilities; reading remediation strategies including technology; speech and language acquisition and learning theories (first and second language); and, supervision of reading/language instruction across the curriculum K-12 in diverse cultural school settings. Review Ohio curriculum for foreign instruction and Ohio Model Competency-Based Language Arts. Required field experiences in diverse settings - 10 hours. **Prerequisites:** Graduate level EDRE 671 Minimum Grade of C or EDMS 999 **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 505 - Foundations in Early Childhood Special Education

(3) Credit Hours Students in this course address the historical and philosophical foundations of services for young children; impact of sensory impairments, physical and health disabilities on individuals, families and society. Research supported theories and issues concerning early childhood special education practices and method; identification of at risk needs awareness, IFSP and IEP procedures and issues; developmentally appropriate practices; biological and environmental learning and developmental factors; medical/health issues, responsibilities, training and implications for learning and prevention for educational settings. Articulation of personal philosophy of special education. CPR and First Aid Training and certification required. Required field experience in diverse settings - 10 hours. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 551 - History, Theory, & Practices in Transition Education & Services

(3) **Credit Hours** This course focuses on the historical and theoretical models of transition including related legislation in fields of special and vocational education, rehabilitation, labor and civil rights. Implications of student characteristic as it relates to post-school outcomes, services, environments and support needs. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 553 - Assessment & Program Planning for Transition Education & Services

(3) **Credit Hours** This course focuses on administering, scoring, and applying formal & informal career and vocational assessment for identification, planning and program implications for post-secondary options and services. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 554 - Cognitive & Social Skills Training for Transition Education & Services

(3) **Credit Hours** This course focuses on transitional education and service types of programs to include: the methods, techniques, skills, and roles of the specialist in the transition to work areas. In addition to general course activities, the candidate will schedule and complete field experience hours observing and participating in transitional knowledge/skills, and disposition areas outlined in the course objectives. Required field experience hours: 10 hours in transitional educational setting and 10 hours in transitional service setting. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 555 - Communication/Collaboration Partnerships in Transition Education and Services

(3) **Credit Hours** This course focuses on the interpersonal knowledge and skills necessary of a transition to work specialist. Through the development of understanding and awareness of the methods and techniques needed for servicing clients in this area during course time instructions, the candidates under supervision will also practice these transitional skills during 10 hours of field experience in transitional educational setting and 10 hours of field experience in a transitional service setting. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 556 - Resources in Transition Education and Services

(3) **Credit Hours** Candidate will spend 15 hours participating in supervised field experience in a transitional educational setting and 15 hours participating in supervised field experience in a transitional service setting that is designed to address the practicing skills of a transition to work specialist. During these field experiences, the candidate will attend the scheduled seminars of the course that address the students, families, community agencies needs and coordination, future directions, leadership to promotion of programs; and, systematic processes. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 557 - Transitions: Field Practicum

(3) **Credit Hours** The candidate will design with the guidance of the clinical field placement faculty and their program mentor a field practicum experience addressing both transitional educational settings and transitional service settings. Considering the roles and responsibilities of these settings, the candidate will design a learning field experience based on specific professional development need areas; establish goals that address those areas; and develop the activities and outcomes to those with a defined program process with reflective evaluation. Permission of the program director is required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 560 - Mild/Moderate Characteristics & Strategies

(3) **Credit Hours** This course is designed to provide the candidates with a basic knowledge of mild to moderate disabilities. The course focuses on definitions and diversity in characteristics (including perceptual, cognitive, linguistic, academic, and social/emotional qualities) for individuals with mild to moderate disabilities as well as the major past and present educational and legal issues relevant to those individuals. Required field experience in diverse settings - 6 hours. **Prerequisites:** Graduate level EDSP 500 Minimum Grade of B and Graduate level EDFD 510 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 562 - Mild/Moderate Support Services

(3) **Credit Hours** Students in this course address service, transitional and resource issues, strategies, techniques used to integrate students with mild/moderate disabilities into diverse educational, social, and community settings. Emphasis is on service delivery needs and issues for families; career/vocational, health/medical, and safety issues, training and intervention/prevention services; working with and guiding paraprofessionals; and, support services for at risk students which includes legal aspects and responsibilities. First Aid and CPR training and certification required. Required field experience in diverse settings - 10 hours. **Prerequisites:** Graduate level EDSP 560 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 563 - Special Education: Assessment & Evaluation

(3) Credit Hours The student taking this course will demonstrate the ability to administer non-biased formal assessments. They will be able to make the connection between assessment and instruction, use assessment information in eligibility program and placement decisions for individuals with mild/moderate learning needs, including those from culturally and/or linguistically diverse backgrounds. Students will also demonstrate the ability to select, adapt, and modify assessments to accommodate the unique abilities and needs of individuals with mild/moderate and at-risk disabilities. This is a LAB class that requires administering, scoring, and explaining test results. Students will keep a test log to document the field hours. **Prerequisites:** Graduate level EDSP 560 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 564 - Developmentally Appropriate Instructional Materials

(3) Credit Hours University students will demonstrate the ability to select and use specialized instructional strategies for students with mild/moderate learning needs that are age and ability appropriate. This will include multiple theoretical approaches as well as instructional methods to strengthen and compensate for deficits in perception, comprehension, memory, and retrieval. Students use strategies that facilitate maintenance and generalization across environments. Students use methods to teach mathematics appropriate to students with disabilities. This is a lab class, students are expected to create developmentally appropriate educational materials after class and demonstrate their use in class. **Prerequisites:** Graduate level EDSP 563 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 565 - Curriculum Practices: Mild Disabilities

(3) Credit Hours This course focuses on the role or responsibilities of the intervention specialists as it relates to curriculum adaptations and modifications and research supported instructional strategies and practices related to individual mild learner needs with a variety of disabilities. Students will develop and implement instructional plans for active learner participation which incorporates application of assessment, planning, implementing, and managing procedure for individual learners with mild cognitive and mild to severe affective/social/emotional/behavioral needs across the curriculum. Required field experience in diverse settings - 30 hours. **Prerequisites:** Graduate level EDSP 564 Minimum Grade of B and (Graduate level EDSP 574 Minimum Grade of B or Graduate level EDSP 589 Minimum Grade of B) **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 567 - Special Education: Behavior & Social Skills Management

(3) Credit Hours This course is designed to provide the candidate with the knowledge to develop and implement instructional and behavioral plans and programs for students with emotional and behavioral problems that address social skills; strategies for crises prevention and intervention; self-advocacy; procedures to increase self-awareness, self-management, self-control, self-reliance, and self-esteem; self-enhancing behavior in response to societal attitudes and actions. Students will be prepared to manage verbal and physical acting out behaviors. Required field experience in diverse settings - 6 hours. **Prerequisites:** Graduate level EDSP 580 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 570 - Moderate/Intensive Characteristics & Strategies

(3) Credit Hours This course is designed to provide the student with a basic knowledge of moderate to severe disabilities. Topics include definitions, identification, procedures, due process rights, cultural and linguistic diversity, and characteristics for individuals with intellectual disabilities, including medical aspects; individuals who display developmental as well as multiple handicaps; and other conditions. The course also will deal with the major past and present educational, social/emotional, and legal issues relevant to those individuals. These issues will be referenced to inclusive practices that focus on the similarities between students with moderate to severe disabilities and their typical peers. Required field experience in diverse settings - 6 hours. **Prerequisites:** Graduate level EDSP 500 Minimum Grade of B and Graduate level EDFD 510 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 572 - Communication Strategies & Techniques

(3) Credit Hours This course will focus on the understanding and implementation of everyday functional communication methods and techniques through various theories, systems, and technologies for individual students with moderate and intensive needs; classroom strategies and techniques in learning environment; selection/implementation of augmentative or alternative communication devices/systems; adaptations/assistive technology; medical care and methods with technology/family support and resources. LAB field experience is required with documentation. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 573 - Moderate/Intensive Assessment & Evaluation

(3) Credit Hours University students taking this class will demonstrate the ability to administer nonbiased formal and informal assessments. They will be able to make the connection between assessment and instruction. Students will also demonstrate the ability to select, adapt, and modify assessments to accommodate the unique abilities and needs of individuals with moderate/severe disabilities (including functional assessments, task analysis and alternate assessments). Students will demonstrate the procedures for assessing and reporting both appropriate and problematic social behaviors of individuals with disabilities. Students demonstrate the reliable methods of response of individuals who lack typical communication and performance behaviors. This is a LAB class which requires that students administer, score and explain test results. Students will keep a test log to document field hours. **Prerequisites:** Graduate level EDSP 570 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 574 - Curriculum Practices: Moderate Disabilities

(3) **Credit Hours** This course focuses on curriculum theories and practices related to students with moderate disabilities in elementary through secondary education programs. Course content will focus designing applied curriculum and multi-leveled instruction for active learner participation in inclusive educational environments which incorporate evaluating, planning, implementing, and managing procedures that are appropriate for individual needs. Required field experience in diverse settings - 30 hours. **Prerequisites:** Graduate level EDSP 570 Minimum Grade of B or Graduate level EDSP 560 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 576 - Moderate/Intensive Support Services

(3) **Credit Hours** This course focuses on the relationship local and state support delivery services for individuals with moderate and intensive physical, mental, and medical disabilities K-12; networks, organizations, resources, strategies and techniques used to integrate students requiring moderate/intensive services into diverse educational, social, community settings including assistive technology/devices, residential treatment, rehabilitation, career/vocational, health/medical; use strategies that promote successful transitions for individuals with exceptional learning needs; identify supports needed for integration into various program placements; structure, direct, and support the activities of paraeducators, volunteers, and tutors; assist family in planning transitions; and, act ethically in advocating for appropriate service. Required field experience in diverse settings - 10 hours. CPR and First Aid Training and Certification required. **Prerequisites:** Graduate level EDSP 570 Minimum Grade of B or Graduate level EDSP 505 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 579 - Autism and Pervasive Development Disorder

(3) **Credit Hours** Students in this course focus on autism and PDD problems, needs and issues. This also includes informal classroom assessment; management; instructional planning; implementing IEP goals and objectives into instructional methods and techniques; family and cultural issues; curriculum designing, development, implementation, adaptation/modification; communication/technology issues; and social/relationship problems. Required 5 hours of field experience. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 580 - Classroom Management

(3) **Credit Hours** Seminar course for teacher preparation K-12 concerning laws, policies, and ethical principles regarding behavior management, planning and implementation, establishing and maintaining positive classroom management; effective teaching/learning conditions and adaptations necessary for a healthy learning environment; useful and practical organizational procedures; problem solving/decision-making techniques and strategies; communication skills necessary for classroom management; management practices concerning diverse classroom population and individualized learning. Required field experiences in diverse settings - 10 hours. **Prerequisites:** Graduate level EDSP 500 Minimum Grade of B or Graduate level EDFD 510 Minimum Grade of B or EDMS 999 **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 581 - Play & Its Role in Development and Learning

(3) **Credit Hours** Students will focus on demands and management of the learning environment. This includes teacher attitudes and behaviors. Course will also address play based skills and techniques; behavior management techniques; social skills planning and implementation; creating, supporting, facilitating interactive safe diverse learning environments. Required field experience in diverse settings - 8 hours. **Prerequisites:** Graduate level EDSP 505 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 582 - Gifted/Talented Characteristics & Strategies

(3) **Credit Hours** Students in the course will focus on the identification of gifted/talented (P-12), legal policies/procedures; rights and responsibilities of family, students, educators, professionals, and institutions associated with the education of the gifted/talented; theories of intelligence and creativity, comparisons of tools and strategies, characteristics and needs of gifted/talented; placement options, effects of cultural identity, family, economic, physical-linguistic, academic, and social/emotional development; enrichment and acceleration needs of gifted/talented. Required field experience in diverse settings - 6 hours. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 583 - Resource Materials & Techniques: Gifted/Talented

(3) **Credit Hours** Students in this course will have knowledge of and demonstrated skills with special resources materials and technologies for gifted/talented; technology assisted lessons; use technology for planning and managing the teaching and learning environment; independent/research activities; problem solving; critical thinking skills; evaluate learner products and portfolios; create and maintain records; resource materials and technology resources for gifted/talented instructional planning. Lab time required. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 584 - Gifted/Talented Assessment & Instruction

(3) Credit Hours This course will provide an overview of assessment and instructional relationships for gifted/talented. Cultural, family, social and community effects on assessment and instruction will be discussed. Terminology, state/federal/legal provisions, regulations, and guidelines of assessment, referral, placement, and instruction practices will also be discussed. This is a LAB course that requires candidates to administer, score, and explain test results. **Levels:** Graduate
College of Social Sciences, Health and Education School of Education

EDSP 585 - Gift/Talented Program Design & Practices I

(3) Credit Hours This course focuses on how to select, adapt, and use instructional strategies and materials according to characteristics of individuals with gifts and talents; effective management of teaching and learning for these students; acceleration, enrichment, and counseling within a continuum of service options; grouping practices that support differentiated learning environments; ways to create learning environments that allow individuals to retain and appreciate their own and each others' respective language and cultural heritage; demonstration of use of instructional time; integration of curriculum and instructional strategies. Required field experience in diverse settings - 30 hours. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 586 - Gifted/Talented Program Design & Practice II

(3) Credit Hours Students will have knowledge of and demonstrate skill with research curriculum design, development, coordination, and implementation based on various teaching program assessment needs, documentation, issues, design, development, demonstrate instructional implementations, sequencing, integration with reflection, involving the individual and family in program planning and implementation; respect and sensitivity to cultural, linguistic and gender differences; and program assessment needs, documentation, issues, design, development, coordination, and implementation. Required field experiences in diverse settings - 30 hours. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 589 - Program Practices: Severe/Intensive Disabilities

(3) Credit Hours This course focuses on specialized interventions for individuals with physical and health disabilities in educational settings; specialized materials for individuals with disabilities; prevention and intervention strategies for individuals with disabilities; technology for planning and managing the teaching and learning environment; select and plan for integration of related services into the instructional program; create or adapt appropriate learning plans; design and implement curriculum strategies for medical self-management procedures; use appropriate adaptations and assistive technology for all individuals with disabilities. Required field experiences in diverse settings - 30 hours. **Prerequisites:** Graduate level EDSP 574 Minimum Grade of B or Graduate level EDSP 592 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 591 - Early Childhood Special Education Learning Theories

(3) Credit Hours Students will investigate and observe learning theory models as a foundation for early childhood intervention - understand development of infants and young children along with the ability to identify specific disabilities and describe implications for development and learning; use instructional practices based on knowledge of the child, family, community, and the curriculum; and support and facilitate family and child interactions as primary contexts for learning and development. Required field experiences in diverse settings - 6 hours. **Prerequisites:** Graduate level EDSP 505 Minimum Grade of B **Levels:** Graduate
College of Social Sciences, Health and Education School of Education

EDSP 592 - Early Childhood Special Education: Observation & Assessment

(3) Credit Hours Students will demonstrate knowledge and skills with Early Childhood/Special Education intervention assessment, evaluation, techniques, and report writing. This LAB course includes how to select, adapt, administer formal and informal performance based assessment for specific sensory/motor, cognitive, and social disabilities; data collection, summarization, information integration, and term collaboration in various settings (home, public/private centers, schools, classrooms, community agencies); staff and program assessment and evaluation; consultation service practice. LAB field experience required. **Prerequisites:** Graduate level EDSP 591 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 593 - Early Childhood Special Education: Curriculum Practices

(3) Credit Hours Students in this course will demonstrate curriculum practices of selection, designing, and developing ECSPED intervention classroom methods/materials, implement developmentally appropriate individual/family activities; systematic instruction; access development/progress; participation with interdisciplinary, interagency and intra-agency teams; design/plan/implement process and strategies for transitions; demonstrate understanding of foundations of curriculum, research-based practices. Required field experiences in diverse settings - 30 hours. **Prerequisites:** Graduate level EDSP 592 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 601 - Teaching Seminar

(2) Credit Hours Students will demonstrate and articulate professional and personal philosophies of special education, including ethics and standards, objective judgments; research applications and reflective practices concerning teaching/learning. Completion of professional portfolio is required. Student must obtain permission of program director to enroll in this course. **Prerequisites:** Graduate level EDSP 606 Minimum Grade of S or Graduate level EDSP 604 Minimum

Grade of S or Graduate level EDSP 603 Minimum Grade of S or Graduate level EDSP 605 Minimum Grade of S **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 603 - Mild/Moderate Teaching Practicum

(3) Credit Hours This clinical experience course is taken when the student has finished all the required coursework, completed the application process and passed all required tests. Required clinical experience in diverse settings - 16 weeks. To enroll, students must have passed all PRAXIS tests and obtain permission of the program director. **Prerequisites:** Graduate level EDSP 574 Minimum Grade of B and Graduate level EDSP 565 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 604 - Moderate/Intensive Practicum

(3) Credit Hours This clinical experience course is taken when the student has finished all the required coursework, completed the application process and passed all required tests. Required clinical experience in diverse settings - 16 weeks. To enroll, students must have passed all PRAXIS tests and obtain permission of the program director. **Prerequisites:** Graduate level EDSP 574 Minimum Grade of B and Graduate level EDSP 589 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 605 - Gifted/Talented Teaching Practicum

(3) Credit Hours This clinical experience course is taken when the student has finished all the required coursework, completed the application process and passed all required tests. Required clinical experience in diverse settings - 16 weeks. To enroll, students must have passed all PRAXIS tests and obtain permission of the program director. **Prerequisites:** Graduate level EDSP 585 Minimum Grade of B and Graduate level EDSP 586 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 606 - Early Childhood Special Education Teaching Practicum

(3) Credit Hours This clinical experience course is taken when the student has finished all the required coursework, completed the application process and passed all required tests. Required clinical experience in diverse settings - 16 weeks. To enroll, students must have passed all PRAXIS tests and must obtain permission of the program director. **Prerequisites:** Graduate level EDSP 589 Minimum Grade of B and Graduate level EDSP 593 Minimum Grade of B and Graduate level EDSP 565 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 616 - Philosophy & Cultural Diversity

(3) Credit Hours This course explores the impact of the American political and legal systems, and social and cultural identity theory upon special education. As the expectations and requirements for educators working with students on disabilities constantly evolve, educators must understand the fundamental political and legal principles which underlie state, federal and constitutional law in order to advocate for students with disabilities. By examining social and cultural identity theory, the course will provide a framework for students to analyze which claims about educational practices are the most congruent with meeting the needs of learners. Students will also have opportunities to reflect on their own cultural identity and biases; and the culture of the schools and students they serve. The course will survey the sociological problem of the over identification of minorities in special education and suggest strategies to minimize this practice in schools. This course has an online component. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 617 - Administrative Partnerships

(3) Credit Hours This course is designed to incorporate administrative theory and practice as it relates to the role of the school administration partnering with special education staff to implement special education mandates. Aligned with standards of the Interstate School Leaders Licensure Consortium (ISLLC) and the Council for Exceptional Children (CEC), this course details strategies to develop a collaborative partnership between special education staff and the school administration to facilitate the implementation of special education services. There is an online component to this course. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 618 - Qualitative & Quantitative Research

(2) Credit Hours This course is designed to provide an overview of educational research with an emphasis on special education. The examples provided within current research and the assignments required are specifically designed to teach methodology using specific course material from special education pedagogy. The research process is approached from qualitative and quantitative designs. The course includes methodology and appropriate statistics. The research paper, to be completed in conjunction with the course, requires students to implement selected methods from this course and to become familiar with an area (of their interest) of the research literature in the field of special education. There is an online component to this course. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 619 - SPED: Research Paper

(1) Credit Hours The course is designed to provide an overview of educational research with an emphasis on special education. The research process is approached from both qualitative and quantitative design. The course includes methodology and appropriate statistics. The research paper, to be completed in conjunction with the EDSP 618, requires students to implement selected methods from this course and to become familiar with one area (of their interest) of the research literature in the field of special education. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 648 - Physical/Mental/Medical Disabilities

(3) Credit Hours This course will expose students to the different types and causes of disabilities they are likely to find in their employment; learning about many of the different therapies, both pharmacological and other forms that have been proposed and presented to treat these disabilities; gaining of the knowledge and skills to help individuals and families with disabilities sort out the helpful from the hopeless therapies and treatments. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDSP 695 - Independent Reading & Research

(1 to 6) Credit Hours Special topics examined through independent research. Must be approved by program director. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 284 - Alfred Hitchcock in Hollywood

(2) Credit Hours This course is designed for undergraduates and serves as both an in-depth investigation of a major artist and an exploration of American attitudes and institutions during World War II, the Cold War, and the upheavals of the 1960s and early 70s. Students are required to do a significant amount of reading and writing. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 286 - America Through the Lens

(2) Credit Hours Films and television programs will be analyzed in order to both identify the cultural and historical messages they contain. The formulas and conventions of Hollywood genres will be examined. This understanding of genre will serve as a primary analytical tool as we de-construct the films and television programs studied in class. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 288 - Un-"Happy Days": Fear in the 1950's

(2) Credit Hours This course is designed for undergraduates and serves to introduce students to the study of mass media as well as a crucial decade in American history. It also explores the use and misuse of history, calling into question the tendency to serve up history in ten year units (i.e., the opening lecture is "The Fifties: 1935-1992"). Students are required to do a significant amount of reading (two books and a handful of reviews) and writing (five short reaction papers and a longer analytical paper). **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 305 - Writing is Power: Writer Wkshp

(2) Credit Hours **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 310 - Addiction: An Epidemic

(1) Credit Hours Various forms of addiction are becoming the leading social problems of this century. An overview of addiction will be imparted as well as specific manifestations such as sex, gambling, eating disorders, and drugs. The impact of addiction on the individual, family, and society will be discussed. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 319 - Music & Movement for the Classroom Teacher

(1) Credit Hours This workshop is designed to integrate music and movement into the classroom connecting to all subjects through the arts. Multi-cultural interdisciplinary in structure and interactive. Class members create materials to use in the classroom to extend learning. This workshop is for arts teaching, movement and physical movement for all ages and special interests. A student and performer of the Dalcroze method will present the work of Dalcroze to develop mind and body coordination. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 336 - The "Sixties": 1945-1975

(2) Credit Hours Taking issue with the ideology that history comes in neat ten-year packages, this course places the period of upheaval often called "the sixties" into a larger historical framework. We will identify and analyze movements and ideologies that preceded, overlapped and followed the 1960's in order to place the events of the decade into a purposeful context. We will examine the cold war state, Vietnam, Watergate, and the cultural and the political polarization exacerbated

by the 2004 Presidential election, among other historical benchmarks. The point is to define the historical precedents that provoked the events of the 1960's, and to show how the beliefs and actions of that decade continue to have a transformative effect on contemporary America. In addition to historical documents, we will make extensive use of other cultural artifacts, including literature, music, television programs and, in particular, the American films of the 1960's and 1970's.

Levels: Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 339 - Sexism & Racism in Society

(1) Credit Hours This course will explore the causes and effects of racial and gender stereotyping, prejudice, and discrimination on the individual, institutional, and cultural level. Emphasis will be on education, the workplace, interpersonal relations, and communication. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 345 - Zoos are Classrooms

(1) Credit Hours Demonstrate how zoos may be used as an educational facility. Animal behavior, ecology, evolution, conservation, adaptations, classification, and other zoo-related topics will be examined. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 355 - Make and Take K-8 World Musical Instruments

(2) Credit Hours Hands-on workshop building and playing simple musical instruments. No musical or technical skills are required. Designed for the general kindergarten to 8th grade classroom teacher. Along with musical activities creative ways of teaching math, science, history, the visual arts, and multi-cultural awareness will be explored. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 360 - Family and Society

(2) Credit Hours A study of marriage preparation, partner selection, marital adjustment, family structure and functions, and marital dissolution. Current problems facing the family will be explored with an emphasis on macro and micro intervention strategies which may be employed for problem resolution. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 370 - Intervention with Abused Child

(1) Credit Hours This course is designed to acquaint the student with the different types of child abuse, family dynamics, and profiles of victims and offenders. Knowledge of various intervention strategies will be imparted. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 372 - Chaos-Free Classroom Management

(2) Credit Hours This workshop will be offered in a literature based constructivist classroom. Participants will experience how to develop a classroom environment that supports constructivist teaching, establish teaching routines for self-management learning, and create a community of learners without chaos. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 386 - Geography Across the Curriculum

(2) Credit Hours Integrate geography by using a whole language approach through reading, creative writing, research, grammar, and other areas such as art, music, and the sciences. The goal is to teach an appreciation of world cultures. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 390 - Plants in the Classroom

(2) Credit Hours Lectures, lab activities and field trips to demonstrate how plant material may be used in the classroom. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 408 - Women & Societal Violence

(1) Credit Hours A historical perspective on violence against women. Modern day forms of violence against women and intervention will be studied. Prosecution of cases will be presented and treatment strategies for offenders will be explored. **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 414 - Motivating for Achievement

(2) **Credit Hours** Concept of motivation as it applies to achievement will be defined, analyzed and discussed in depth. Internal and external motivation, the role of self, the environment, communication, goal setting and reward systems, concept of empowerment will be explored. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 440 - Treating Sex Offenders & Victims

(1) **Credit Hours** workshop will explore treatment issues and approaches for working with sex offenders, victims, and other family members. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 441 - Phonics Merged with Whole Language

(2) **Credit Hours** Course will offer a brief theoretical overview, then demonstrate a sequenced language program for children between the ages of 4 and 8. Emphasis will be on developing a systematic phonics program that incorporates the principles of whole language. Students will demonstrate their understanding of the integration by creating language materials that can be used by children in different stages of skill acquisition. The workshop will engage students in activities that demonstrate the integrated curriculum in all areas of language acquisition: reading, writing, spelling, listening, and talking. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 501 - Adapting Teaching Techniques to Learning Styles

(0 to 2) **Credit Hours** Topics will include: learning style elements, construction of content area materials, analyzing participants teaching styles as well as learning styles, multi-sensory memorization, interpretation of student profiles, applications to homework, teaching global students, characteristics of the gifted, approaches for tactile, kinesthetic children, juggling varied learning styles, time management, understanding of nine-view of learning style research, sharing successful programs and implications for critical thinking. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 504 - Presence Practice:Deep Therapy

(0 to 2) **Credit Hours** This course will deeply examine styles of presence, styles of therapeutic relationship, especially the classic and demanding notions of empathy and congruence as ways of attaining more powerful connection with oneself and clients or students. The work of Martha Stark that examines three therapeutic models: offering insight, providing corrective experience, being an authentic subject will also be explored. More information on content and students' responses are available at www.edgutfreund.com **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 505 - Supporting Recovery from Trauma

(0 to 2) **Credit Hours** This course will provide information and experience to help counselors and educators further their understanding of trauma and their ability to recognize hidden signs of trauma. Dialogue with professionals working in the field of trauma will provide different ways of supporting the healing of trauma and its aftermath, and caring for one's self in the process. Specific emphasis is given to the body because of the nervous system damage which occurs in trauma and which needs to be attended to if a thorough treatment is to be designed. These will include Sensorimotor Psychotherapy, EDMR, Movement Therapy, and Presence Practice. Presentations, readings, video, art, movement, and reflective writing will support the learning process. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 507 - Professional Ethics for Educator

(1) **Credit Hours** The focus of this workshop will be exploring the ethical situations facing the professional educator through group discussions, individual reactions to various scenarios. This will include the impact of the ethical decisions relating to various aspects of the educational setting. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 508 - The Body in Mind-Body Therapy

(0 to 2) **Credit Hours** This course will introduce students to theory and principles of body psychology and teach techniques to understand the language of the body to enhance cognitive-behavioral or other theoretical approaches in counseling as well as in education. Local guest practitioners will provide examples of their work to familiarize participants with local applications of this work, and available resources. The course will also encourage increased observation skills, practical therapy techniques, and self-awareness by using movement, artistic activity, discussion, and reflective writing in an enjoyable atmosphere of exploration and discovery. Further information available on content and previous student responses at www.edgutfreund.com **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 510 - Education Through the Senses

(0 to 2) Credit Hours This course is designed for teachers and school counselors to expand their abilities to use their own senses, and to support the healthy sensory development of students. This leads to more effective educational relationships and more effective learning. The course will educate your five senses and several others you may not have known about. Goals include developing a broader frame of reference about learning and child development, supporting learning for freedom, and responsibility, and recognizing the physical/bodily expressions of who the child is. Topics will include Rudolf Steiner's twelve sense, Sensory Integration, creating safety and acceptance - essentials for learning; a less pathologizing approach to children's DSM-IV diagnoses, spectrum disorders, attachment issues and important under-noticed effects of trauma as learning difficulty. Further information found at www.edgutfreund.com **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 511 - Catholic School Leadership: FPS

(2) Credit Hours Focuses on the knowledge and skills needed to foster exciting and challenging visions of Catholic school leadership as we move into the new millennium. Looks at the latest research and thinking about leadership, and particularly as the literature distinguishes it from management or administration. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 512 - Catholic School Leadership: PPT

(2) Credit Hours Professional development workshop which addresses the practical aspects of administrative leadership in a Catholic school. Focuses on the many problem solving challenges that administrators and teachers face on a daily basis. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 513 - Leading a Catholic School: FMD

(2) Credit Hours A professional development workshop that applies the skills and dynamics of effective leadership to the successful administration of a Catholic school. Addresses the essential requirements and implications of what it means to be the educational and spiritual leader of a Catholic school. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 515 - Religious Foundations for Catholic School Leader

(2) Credit Hours Focuses on what educational leaders and teachers in a Catholic school must possess within themselves in order to promote a living and conscious faith among students. At the heart of this endeavor is a working knowledge of the basic beliefs of the Church, the meaning of the catechetical process, faith development, how to read and interpret the Scriptures, how to assist students in being at home with the sacraments and the Eucharist as the source and summit of Christian life. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 519 - Child & Adolescent Chronically III

(1) Credit Hours This intensive course will examine the child and adolescent with chronic illness and discuss treatment approaches from a multi-disciplinary or bio-psycho-social intervention model. The instructor will draw upon extensive experience and observations from working in clinics, hospitals or in the field with children who have been diagnosed with such disorders as: cancer, hemophilia, AIDS, diabetes, sickle cell anemia, endocrine/growth problems, cleft palate, genetic anomalies, mental health DSM-IV disorders, as well as children with multiple handicaps and disabilities. Emphasis will be given to practical ways counselors and other mental health professionals and teachers can build and maintain therapeutic relations with children who have been dealt this difficult challenge of handling a chronic or life threatening illness. Additionally, this course will give special attention to identifying needs, assessing, and treating families and siblings of children who have a chronic illness. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 520 - Gestalt Therapy

(1) Credit Hours Introduction to theoretical foundations and therapeutic techniques of Gestalt therapy with particular emphasis on experimental learning. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 528 - Avoiding Teacher Burnout

(1) Credit Hours Teaching is only second to police work in terms of rates of job burnout. It is a stressful occupation that has become more so in the past 20 years. This workshop provides the participant with research-based strategies proven to make the at-risk school teacher more resilient and more capable of handling the stress of teaching in healthy, life-affirming ways. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 529 - Dealing with Tough Kids: Discipline and Management for the 21st Century

(1) Credit Hours Effectively dealing with student behavior in the classroom has become a major concern for teachers in schools today. This workshop gives a full range of proactive and reactive approaches for managing these behaviors effectively so effective instruction can proceed. Based in a research-based theoretical framework, participants are presented a range of effective techniques. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 533 - Awakening Young Adult Learners

(0 to 1) Credit Hours This course will provide examples of learning profiles and extend the work of Education through the Senses (EDWS 510) to empower young adult learners (16-25) whose transition to adulthood is stressed because they are frustrated with their learning. It will help with stamina, pacing and engagement for effective learning. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 535 - Make and Take K-8 World Musical Instruments

(2) Credit Hours Hands-on workshop building and playing simple musical instruments. No musical or technical skills are required. Designed for the general kindergarten to 8th grade classroom teacher. Along with musical activities creative ways of teaching math, science, history, the visual arts, and multi-cultural awareness will be explored. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 541 - Education: Challenging Perceptions

(1) Credit Hours This workshop will explore challenges facing the teaching profession. The emphasis will focus on perceptions, conceptions about the educational career experience. Designed specifically for teachers who are within their first five years of their career. What districts, personnel, administration can do for you. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 544 - Zoos are Classrooms

(1) Credit Hours Demonstrate how zoos may be used as an educational facility. Animal behavior, ecology, evolution, conservation, adaptations, classification, and other zoo-related topics will be examined. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 563 - Counseling Challenging Youth

(1) Credit Hours Workshop participants will learn a number of practical strategies for building and maintaining therapeutic relationships with challenging youth and families. The strategies will be formatted around six guiding principles common to most human services professionals who successfully engage this population. Participants will be challenged to assess their own attitudes, beliefs, and behaviors related to challenging youth via lecture, demonstrations, small group activities, and role plays. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 572 - Chaos-Free Classroom Management

(0 to 2) Credit Hours This workshop will be offered in a literature based constructivist classroom. Participants will experience how to develop a classroom environment that supports constructivist teaching, establish teaching routines for self-management learning, and create a community of learners without chaos. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 580 - Marital & Family Therapy

(2) Credit Hours Provides an overall introduction into marital and family therapy in teaching a range of psychological disorders. Acquaints the student with the latest advances in assessment and therapeutic intervention procedures from a marital and family therapeutic perspective. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 583 - Poetry for Children

(2) Credit Hours The Poetry for Children Workshop will be an intensive study of poetry written for children and young adults. This workshop is designed for teachers and/or interested participants who enjoy reading and writing poetry. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 586 - Geography Across the Curriculum

(2) Credit Hours Integrate geography by using a whole language approach through reading, creative writing, research, grammar, and other areas such as art, music, and the sciences. The goal is to teach an appreciation of world cultures. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 617 - Early Childhood Math: Probability & Geometry

(2 to 3) Credit Hours This course investigates the conceptual development of probability, data analysis, geometry and spatial sense in young children. Participants will actively explore these mathematical concepts through experimentation, discovery, manipulation, discussion, calculators and computers. Emphasis will be placed on both the content and pedagogy of the National Council of Teachers of Mathematics Content Standards, the Ohio Academic Content Standards and the Archdiocese of Cincinnati Graded Course of Studies in the area of Probability and Geometry. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 619 - Music & Movement for the Classroom Teacher

(1) Credit Hours This workshop is designed to integrate music and movement into the classroom connecting to all subjects through the arts. Multi-cultural interdisciplinary in structure and interactive. Class members create materials to use in the classroom to extend learning. This workshop is for arts teaching, movement and physical movement for all ages and special interests. A student and performer of the Dalcroze method will present the work of Dalcroze to develop mind and body coordination. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 624 - Teaching with Technology

(2) Credit Hours Designed to prepare teachers to integrate computer and other technologies into the curriculum. Teachers will have the opportunity to explore and apply word processing, databases, spreadsheets, CD-ROM's, multimedia presentation software, scanners, digital cameras, educational software, Internet, and other technological resources/media. Teachers will learn to effectively integrate technology into curricular objectives. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 625 - Cognitively Guided Math Instruction

(1) Credit Hours This course is to provide instruction in teaching K-3 arithmetic operations using contextual work problems. The focus is on materials developed by educational research conducted by faculty at the University of Wisconsin. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 641 - Phonics Merged with Whole Language

(2) Credit Hours Course will offer a brief theoretical overview, then demonstrate a sequenced language program for children between the ages of 4 and 8. Emphasis will be on developing a systematic phonics program that incorporates the principles of whole language. Students will demonstrate their understanding of the integration by creating language materials that can be used by children in different stages of skill acquisition. The workshop will engage students in activities that demonstrate the integrated curriculum in all areas of language acquisition: reading, writing, spelling, listening, and talking. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 649 - Hardware & Software Overview

(3) Credit Hours Analysis of the architecture of microcomputers, workstations, and small to mid-range computers. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 650 - Holocaust Studies For Educators

(2) Credit Hours **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 667 - Integrating Science & Literature

(2) Credit Hours This course develops concepts and vocabulary related to themes in children's literature by using simple, easily-understood experiments. Topics which will be addressed include ecology, health, physical science, plants and animals. Science concepts have been selected from the National Science Educational Standards. Examples are: balance, inquiry, cycles and systems. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 714 - Motivating for Achievement

(2) Credit Hours Concept of motivation as it applies to achievement will be defined, analyzed and discussed in depth. Internal and external motivation, the role of self, the environment, communication, goal setting and reward systems, concept of empowerment will be explored. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 718 - The Dynamics of Cults

(1) Credit Hours This workshop focuses on the recent proliferation of cult activity and the issues that are raised by a study of this phenomenon. Practical strategies and suggestions for understanding this topic will be offered. Issues to be examined include: commonly held myths, the vulnerability of individuals to deceptive manipulation, the techniques of attitude change and personality conversion, how conversion states are maintained, the importance of critical thinking, the processes involved in leaving cultic groups and the rehabilitation needs of ex-members. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

EDWS 719 - Working with Difficult or Tough Children

(1) Credit Hours Identification, assessment and treatment procedures useful in working therapeutically with a range of psychological disorders experienced by children and adolescents. **Levels:** Graduate *College of Social Sciences, Health and Education School of Education*

ENGL 101 - English Composition

(3) Credit Hours Guidance in writing more clearly, thoughtfully, and creatively. Focus on the writing process including heuristics, revision, organization, editing. **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 115 - Rhetoric

(3) Credit Hours Intensive theoretical and practical study of discourse. For students who have acquired basic writing skills. **Course Attributes:** Honors **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 121 - Studies in Poetry

(3) Credit Hours Introduction to the genre of poetry, including study of poetic form, figures of speech, styles, and major periods and authors in the British and American traditions. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Restrictions:** May not be enrolled in one of the following Majors: English **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 122 - Studies in Drama

(3) Credit Hours Introduction to drama as literary text and performance. Includes study of major plays from the Classical period through the present. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Restrictions:** May not be enrolled in one of the following Majors: English **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 124 - Studies in Fiction

(3) Credit Hours Introduction to the genre of prose narrative, including both the short story and the novel. Study of the styles and formal elements of fiction in texts from a wide variety of cultures, periods and authors. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Restrictions:** May not be enrolled in one of the following Majors: English **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 128 - Studies in Black Literature

(3) Credit Hours Introduction to the literature of Black cultures in Africa and the African Diaspora, including the United States and Caribbean. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Restrictions:** May not be enrolled in one of the following Majors: English **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 130 - Epic and Adventures of Heroes

(3) Credit Hours An inquiry into the epic genre, the epic hero, and epic values through a careful reading of several ancient and medieval poems. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 132 - Studies in Women's Literature

(3) Credit Hours Introduction to the writing of women of various time periods and nationalities, with an emphasis on gender-related issues. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Restrictions:** May not be enrolled in one of the

following Majors: English **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 142 - Classical Tragedy

(3) **Credit Hours** A study of the tragic form, its poetry, and its use of myth through a careful reading of several plays of Aeschylus, Sophocles, Euripides, and Seneca. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Restrictions:** May not be enrolled in one of the following Majors: English **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 146 - Classical Comedy & Satire

(3) **Credit Hours** A study of ancient classical writings, comedies which were presented on the stage, and satirical poems. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Restrictions:** May not be enrolled in one of the following Majors: English **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 205 - Literature & Moral Imagination

(3) **Credit Hours** Personal and social ethical issues in literature. Honors section required of English majors. PHIL 100 and THEO 111 should be taken prior to ENGL 205, but one of these courses may be taken as a co-requisite. **Prerequisites:** (Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D) and Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 221 - Poetry

(3) **Credit Hours** An intensive critical and historical study of British and American poetry. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 301 - Expos/Research Writing

(3) **Credit Hours** This course is designed to aid majors and non-majors in the composition of non-fiction essays, reports and research papers. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 302 - Modern Literary Theory

(3) **Credit Hours** Study of contemporary literary theory and its application to selected texts. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 303 - History of Literary Criticism

(3) **Credit Hours** From Aristotle through the modern period. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 304 - Teaching & Research in Writing

(3) **Credit Hours** Current theories on the teaching of writing in secondary school. Instruction and practice in expository writing. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 307 - Writing Internship

(3) **Credit Hours** This course is designed to facilitate independent study between students and faculty. It may also be used to accredit work performed outside the classroom -- usually in a business setting -- by students. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 308 - Creative Writing

(3) Credit Hours Introduction to creative writing, including practice in poetry, drama, and fiction. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 309 - Creative Writing: Poetry

(0 to 3) Credit Hours Instruction and intensive practice in writing poetry. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 310 - Creative Writing: Fiction

(3) Credit Hours Instruction and intensive practice in writing fiction. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 311 - Popular Writing

(3) Credit Hours Critical study of popular culture forms and instruction in writing them. Our analysis of narrative-based genres such as memoir, travel writing and nature writing will include examination of the various labels that have been applied to such work in recent years ("creative nonfiction," "literary nonfiction," and "literary journalism"). We will also examine popular journalistic forms such as social commentary, reviews, reflection and feature writing. ENGL 311 is a writing-intensive course; students wishing to enroll should be comfortable with sharing their work with others. Given the focus of the course, students will be encouraged to revise their work for publication. To that end, we will spend a class or two examining the market for popular writing and the process of submitting work to publishers. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 312 - Technical Writing

(3) Credit Hours An introduction to the various modes of technical writing, including manuals, reports and critical analyses. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 314 - Writing Journals & Autobiography

(3) Credit Hours Critical study of these forms and instruction in writing them. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 315 - Composition Tutoring

(3) Credit Hours Training in the theory and practice of composition tutoring. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 318 - Creative Nonfiction

(3) Credit Hours Instruction and intensive practice in writing essays, articles and other nonfiction genres. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 320 - Topics in Linguistics

(3) Credit Hours The socio-synchronic study of language theory and practice. Language systems (words, sentence patterns, sounds and their meaning) and language diversity (class, race, gender, ethnicity, region, and institution). **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 321 - History of the English Language

(3) Credit Hours The socio-historical story of English. Origins, variation, change, legitimization, maintenance and spread of a world language. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 322 - Ethnolinguistics

(3) Credit Hours A socio-anthropological study of language, culture, and communication. Conversational and discourse analysis. No linguistics background necessary. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 323 - Media and Its Discourses

(3) Credit Hours This course is about media and its use of language to convey messages about politics, social organization and personal identity. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 330 - Women of the World

(3) Credit Hours Women of the World is an upper-level world literature course in which students explore writing by or about women, set in Africa, Asia, South America, and elsewhere. Works on the syllabus will include poetry, novels, and adolescent (or YA) novels from a variety of historical periods. The goal of the course is to introduce students (especially future teachers) to authors and texts that are especially teachable at the high school and middle school level. Issues considered will include images of women, women's political rights, gender roles, family structure, religion/spirituality, economic rights, as well as literary techniques. **Prerequisites:** ENGL 101 or ENGL 115 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 331 - World Literature

(3) Credit Hours This course will examine a number of novels by authors from Turkey, Japan, United States, and other countries. Students will begin to develop a global perspective on literature from this course. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate *College of Arts and Sciences English*

ENGL 340 - World Drama

(3) Credit Hours This course will direct students through a broad survey of international plays. We will focus our studies on plays on non-American (including non-Western) origin. course requirements will include an oral presentation and a research paper. Readings will be drawn from some of the following playwrights: Sophocles and Euripides (Greek), Shakespeare and Churchill (English), Ibsen (Norwegian), Brecht (German), Beckett and Friel (Irish), Soyinka (Nigerian), Fugard (South African), Makoto (Japanese), Gambaro (Argentinian), Wertebaker (Australian), Cesaire (West Indian). **Course Attributes:** Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 342 - Literature & Poverty

(3) Credit Hours This course explores literature written about, and by, those who find themselves at the margins of a culture. This course is wide in breadth and depth, covering writers from Gwendolyn Brooks and Euripides to John Steinbeck and writers living in the Over-the-Rhine section of Cincinnati, Ohio.

Prerequisites: Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 344 - Major Black Writers of World

(3) Credit Hours Study of black authors from around the world with emphasis on African, Caribbean, and British Commonwealth writers. **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 350 - Modern Jewish Fiction: Short Stories

(0 or 2) Credit Hours The narrative tradition of European and American Jewish writers from the late nineteenth century to the present. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 351 - Jewish American Literature

(3) Credit Hours This course examines Jewish American literature from the late 19th century to the present, with particular emphasis on prose fiction and poetry. Themes include immigration, assimilation, anti-Semitism, the effect of the Holocaust, gender relations, Jewish religious belief and spirituality, Jewish textual traditions and American/Israeli relations. Frequently studied authors include Reznikoff, Bellow, Roth, Malamud, Ozick, Rothenberg and Grossman.

Prerequisites: Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 352 - African Literature

(3) Credit Hours A survey of literature produced by Africans focusing on historical, thematic, and generic connections, while also paying attention to factors which influence African authors as individuals and as part of literary movements. **Prerequisites:** ENGL 101 or ENGL 115 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 355 - Modern Catholic Novelists

(3) Credit Hours In the modern world a commitment to Catholicism is rare among fiction writers. The question pursued in this course is how Catholicism affects a writer's imagination, his/her conception of character, moral conflict, and spiritual presence. Writers studied in this course are Willa Cather, Mauriac, Graham Greene, Caroline Gordon, Flannery O'Connor, Walker Percy, Robert Stone, and W.C. Sebald. Students will write one long comparative paper and several shorter response papers. Pre-requisite: ENGL 205. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 358 - Black America Since 1865

(3) Credit Hours Examination of historical and literary texts by black Americans from 1865 through the mid-1960s. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 359 - Gender and Diversity in Film

(3) Credit Hours Primarily taught as a workshop, this course examines the way women and ethnic minorities are portrayed in popular cinema. **Course Attributes:** Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 360 - Major Women Authors

(2 to 3) Credit Hours Study of women authors of selected genres and periods. **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 361 - 16th/17th Century Women's Literacy

(3) Credit Hours A study of the literacy and literature of ordinary and celebrated women in England and America. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 362 - Technologies of Gender

(3) Credit Hours Examination of the ways in which women's bodies are both constructed and deconstructed in postmodern culture and the ethical, social, and political implications of these processes for the well-being of women. We will focus on technologies of gender, i.e., those sets of cultural practices that make the body gendered. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective, Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 363 - Women Writers of the 90's

(3) Credit Hours Study of literature by British and American women of the 1790s, 1890s, and 1990s in its social, historical, and cultural contexts. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 366 - Feminist Theory

(3) Credit Hours This course considers some of the major tenets of and issues in contemporary feminist theories and their applications to literary texts. **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 370 - Writings by Sexual Minorities

(3) Credit Hours This course focuses on the literature produced by gay and lesbian writers. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 371 - War & Peace in World Literature

(3) Credit Hours The representation and interpretation of war and peace in literature of the last 100 years from Europe, Asia, Africa, and Latin America. The Middle East receives special attention. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 372 - War & Peace in Literature & Film

(3) Credit Hours This course examines the debates and arguments concerning war and pacifism in a variety of literary texts and popular films. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 374 - Marxism and Literature

(3) **Credit Hours** This course offers a critical reading of literary texts through the lens of various modes of Marxist critical methodology. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 375 - Literature & the Arts in Ireland

(3) **Credit Hours** Poetry, drama, fiction, music, and art from various Irish artists. Study takes place abroad in Ireland and is supplemented by several field trips, tours, performances, and cultural events. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 384 - Pop Culture in America

(3) **Credit Hours** This course examines the impact popular culture - especially as film and music - has had on American life and values in general. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 385 - Science Fiction

(3) **Credit Hours** This course examines the work of a literary genre often underestimated in terms of its impact on ideas about the future, ethics and politics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 390 - Seminar: Modern Jewish Fiction

(3) **Credit Hours** A seminar for majors, minors and honor students, focusing on contemporary Jewish fiction - Philip Roth and Cynthia Ozick, for example. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 391 - Seminar: Major Women Authors

(3) **Credit Hours** A seminar for majors, minors and honor students, focusing on women writers across the centuries, from Charlotte Bronte to Alice Walker. **Course Attributes:** Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 397 - Seminar: Electronic Literacy

(3) **Credit Hours** This course is an introduction to computer use and facility. Primarily for the novice unfamiliar with the Internet and its potential. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 408 - Dante and the Modern Reader

(3) **Credit Hours** Close reading of Dante's "Vita Nuova" and the canticles of the "Commedia." **Course Attributes:** ERS Focus Elective, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 410 - Chaucer: The Canterbury Tales

(3) **Credit Hours** A close reading of the major Tales in Middle English. This course emphasizes the cultural, historical, and philosophical elements in the texts with a special consideration of Chaucer's response to the antifeminist tradition of the Middle Ages. **Course Attributes:** Catholicism & Culture Minor, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 411 - Medieval Women's Writing

(3) **Credit Hours** Students will read modern-English translations of works in multiple genres composed by women in Europe between the eighth and fifteenth centuries. Primary texts will also be supplemented by works of literary and historical criticism. **Prerequisites:** ENGL 101 or ENGL 115 **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 415 - Early English Literature

(3) Credit Hours Critical and cultural study of classic texts from Beowulf through Spenser. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 425 - Shakespeare

(3) Credit Hours Major plays in the genres of tragedy, comedy, tragicomedy, and history. **Course Attributes:** Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 429 - Renaissance Drama

(3) Credit Hours Non-Shakespearean drama of the Elizabethan and Jacobian periods: Marlowe, Jonson, Webster, and others. **Course Attributes:** Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 430 - 17th Century Literature

(3) Credit Hours The poetry and prose of the 17th century from Donne to Milton. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 435 - Milton

(3) Credit Hours This course focuses on the major works of poet/critic John Milton. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 441 - 18th Century British Literature

(3) Credit Hours British poetry, drama, and fiction including works by Dryden, Behn, Pope, Swift, Defoe, Sterne, and Wollstonecraft. **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 450 - British Romantic Literature

(3) Credit Hours Poetry and selected nonfiction prose from 1780 to 1830. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 460 - Love, Sex, & Gender: Victorian Poetry

(3) Credit Hours The interrelated subjects of love, sex, and gender as treated by the major Victorian poets such as Tennyson, Browning, Clough, Patmore, Hopkins, and Housman. **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 462 - Victorian Writing

(3) Credit Hours This course focuses on the aesthetics of the Victorian authors. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 463 - Victorian Poetry and Poetics

(3) Credit Hours This course is a study of Victorian poetry and Victorian theories of Arnold, Dante and Christina Rossetti, Elizabeth Barrett Browning, William Morris, and Gerald Manley Hopkins. Attention is also given to recent scholarship and criticism of Victorian poetry. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 464 - English Novel: Dickens to Conrad

(3) Credit Hours A close reading of the major novels of the mid and late nineteenth century. Attention will be given to three long (700-900) page novels as well as two shorter novels. Emphasis will be on the treatment of significant themes such as gender relations, class relations, imperialism, sexuality, social and historical change, and moral conflict and ambiguity. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 465 - 18th-Century British Novel

(3) **Credit Hours** Focus on development of the British novel with attention to the dynamic social and cultural conditions of eighteenth-century England, the fluidity of the term "novel" at the time, and the particular contributions of women writers (Behn, Defoe, Richardson, Fielding, Smollett, Sterne, Lennox, Burney and Austen). **Prerequisites:** ENGL 101 or ENGL 115 **Course Attributes:** Gender & Diversity Studies Min, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 466 - Transgressive Texts and Alternative Publics

(3) **Credit Hours** This course will treat texts/books that have been forbidden, altered, and suppressed by political or ecclesiastical authorities. The question raised throughout the course will be what alternative publics does the transgressive text seek to define and create. **Course Attributes:** ERS Focus Elective, Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 470 - Modern British Literature

(3) **Credit Hours** Twentieth-century British poetry, fiction, and drama. Student should have some background in the analysis of poetry. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 472 - Modern Drama

(3) **Credit Hours** British, American, and European drama from Ibsen to the present. **Course Attributes:** Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 475 - Modern Irish Literature

(3) **Credit Hours** Poetry, drama, and fiction by a variety of Irish authors, including Yeats, Synge, Joyce, and Friel. **Prerequisites:** Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 479 - Literature of the American West

(3) **Credit Hours** Literature of the American West: Examines novels and short stories set in the American West, past and present, by authors such as Stephen Crane, Dorothy Johnson, Cormac McCarthy, Sherman Alexie, E.L. Doctorow, and Annie Proulx. **Prerequisites:** ENGL 101 or ENGL 115 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 480 - American Renaissance: 1830-1865

(3) **Credit Hours** Textual and cultural study of Transcendentalism, the American romance, and other writing of this period. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 481 - American Realism: 1865-1915

(3) **Credit Hours** Textual and cultural study of various genres from the Civil War to the eve of Modernism. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 482 - Modern American Fiction

(3) **Credit Hours** Textual and cultural study of American short stories and novels from 1915 to 1945. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 483 - Modern American Poetry

(3) **Credit Hours** Textual and cultural study of poets such as Pound, Eliot, Williams, and Stevens. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 484 - African-American Literature

(3) **Credit Hours** Textual and cultural study of Afro-American writing from the 18th century to the present. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 485 - American Gothic Literature

(3) **Credit Hours** Texts of terror and horror in American literature of the 19th and 20th centuries. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 486 - Contemporary American Fiction

(3) **Credit Hours** This course examines 20th and 21st century literature by American writers. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 487 - Contemporary American Poetry

(3) **Credit Hours** This course explores American poetry written after the 1940s and concerns a variety of poetic movements after Modernism. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 488 - Humor in American Literature

(3) **Credit Hours** This course is organized historically to trace a variety of important forms of humor in American literature from the 18th century to the present. **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 489 - American Minority Literature

(3) **Credit Hours** Study of a wide range of American minority literature from the mid-nineteenth century to the present. **Prerequisites:** ENGL 101 or ENGL 115 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 490 - Seminar: Contemporary American Poetry

(3) **Credit Hours** Intensive study of selected contemporary poets. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 499 - Senior Seminar

(3) **Credit Hours** Topics vary. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 504 - Teaching & Research in Writing

(3) **Credit Hours** Current theories on the teaching of writing in secondary school. Instruction and practice in expository writing. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 509 - Advanced Creative Writing

(3) **Credit Hours** For the serious student who has completed the introductory creative writing courses. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 512 - Literary Theory

(3) **Credit Hours** Current theory about the nature of literature and interpretation. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 513 - Directed Study

(3) **Credit Hours** Credit and content of course by advance agreement between the professor and the student. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 514 - Writing Journals & Autobiography

(3) **Credit Hours** A course designed to assist the student in connecting to the inner self. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 515 - Composition Tutoring

(3) **Credit Hours** Training in the theory and practice of composition tutoring. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 520 - Linguistics

(3) **Credit Hours** The socio-synchronic study of language theory and practice. Language systems (words, sentence patterns, sounds and their meaning) and language diversity (class, race, gender, ethnicity, region, and institution). **Levels:** Graduate *College of Arts and Sciences English*

ENGL 521 - History of the English Language

(3) **Credit Hours** The socio-historical story of English. Origins, variation, change, legitimization, maintenance, and spread of a world language. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 523 - Political Language and the Media

(3) **Credit Hours** This course is about media and its use of language to convey messages about politics, social organization and personal identity. **Levels:** Undergraduate, Graduate *College of Arts and Sciences English*

ENGL 525 - Shakespeare

(3) **Credit Hours** Study of selected plays and themes. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 531 - World Literature

(3) **Credit Hours** This course will examine a number of novels by authors from Turkey, Japan, United States, and other countries. Students will begin to develop a global perspective on literature from this course. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 544 - Major Black Writers of the World

(3) **Credit Hours** Study of black authors from around the world with emphasis on African, Caribbean, and British Commonwealth writers. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 551 - Jewish American Literature

(3) **Credit Hours** This course examines Jewish American literature from the late 19th century to the present, with particular emphasis on prose fiction and poetry. Themes include immigration, assimilation, anti-Semitism, the effect of the Holocaust, gender relations, Jewish religious belief and spirituality, Jewish textual traditions and American/Israeli relations. Frequently studied authors include Reznikoff, Bellow, Roth, Malamud, Ozick, Rothenberg and Grossman. Because this is a graduate level course, students are required to write a long research paper, lead class discussion, and engage extensively in the study of secondary as well as primary texts. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 552 - African Literature

(2) **Credit Hours** This course explores modern African fiction from a number of writers from different countries, including Soyinka and Achebe. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 560 - Major Women Authors

(1 to 3) **Credit Hours** Study of women's writing and theoretical approaches to women's literature. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 566 - Feminist Theory

(3) **Credit Hours** This course considers some of the major tenets of and issues in contemporary feminist theories and their applications to literary texts. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 569 - Women & Sacred Language

(3) **Credit Hours** This course explores sacred and gendered discourses by and about women in translated and English-medium texts. Readings begin with Indo-Tibetan Buddhist texts and end with writing in the Tibetan diaspora and the west. Thematic issues include language creativity and the linguistics of social change. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 570 - Writings by Sexual Minorities

(3) **Credit Hours** Course focuses on writings by gay and lesbian writers. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 601 - Language of Humanities

(3) **Credit Hours** Critical study of topic-, audience-, and author-directed discourse. Intensive practice in writing. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 610 - Chaucer-Major Works

(3) **Credit Hours** Study of such texts as *The Canterbury Tales* and *Troilus and Criseyde*. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 615 - Early English Literature

(3) **Credit Hours** Examines the literature of medieval England. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 630 - Studies in 17th Century Literature

(3) **Credit Hours** A survey course which examines the literature of 17th century Europe, including the Metaphysical Poets. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 640 - Studies in 18th Century Literature

(3) **Credit Hours** A survey course which examines the literature of 18th century Europe, including the poetry of Alexander Pope. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 650 - English Romanticism

(3) **Credit Hours** This course examines the work of Wordsworth, Keats, Shelley, Coleridge, Byron and Clare. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 655 - Studies in Victorian Authors

(3) **Credit Hours** A survey of major English writers of the late 19th century. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 670 - Modern British Literature

(3) **Credit Hours** Poetry, drama, and fiction from the late 19th century to the present, by writers from Great Britain or one of its former colonies **Levels:** Graduate *College of Arts and Sciences English*

ENGL 672 - Modern Drama

(3) **Credit Hours** A survey of major dramatists and plays from around the world, focusing on the 20th and 21st centuries. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 680 - Sem: American Renaissance

(3) Credit Hours Tocqueville's America. In the 1830's French social philosopher Alexis de Tocqueville offered a profound analysis of the new United States, which has remarkable applicability to American culture even today. We'll read selections from Tocqueville's *Democracy In America* and test his views against those of canonical and non-canonical American literary works written before the Civil War. We will read political essays by Ralph Waldo Emerson, novellas by Herman Melville, poems by Emily Dickinson, the novel *Ruth Hall* by Fanny Fern, and autobiographical works by Native American William Apess and former slave Harriet Jacobs. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 681 - American Realism: 1865-1915

(3) Credit Hours Focus on the realist writers of the late 19th and early 20th century.- Twain, Crane, Wharton, and Cather. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 682 - Modern American Fiction

(3) Credit Hours Focuses on early 20th century American fiction from Faulkner, Hemingway, Fitzgerald and others. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 683 - Modern American Poetry

(3) Credit Hours Focuses on poetry from the early 20th century, including Stevens, Eliot, Pound and others. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 686 - Contemporary American Fiction

(3) Credit Hours Explores the wide range of styles exhibited by current American writers, from Toni Morrison and Philip Roth to Leslie Scalapino and Don DiLillo. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 687 - Contemporary American Poetry

(3) Credit Hours Explores the wide range of styles exhibited by current American writers, from Lucille Clifton, Philip Levine and Charles Bernstein to Nathaniel Mackey, Edward Hirsch and Susan Howe. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 690 - Seminar: Victorian Authors

(3) Credit Hours Study of selected topics and authors from this period. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 693 - Seminar: Modern Jewish Fiction

(3) Credit Hours Study of selected European and American Jewish writers of fiction from the late 19th century to the present. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 694 - Seminar: Contemporary American Fiction

(3) Credit Hours Study of selected American poets and poetic movements from the past few decades. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 695 - Seminar: Contemporary American Poetry

(3) Credit Hours Study of selected American poets and poetic movements of the past few decades. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 700 - Master's Thesis

(3 or 6) Credit Hours Individual study leading to the completion of the M.A. thesis. See department chair for further information. **Levels:** Graduate *College of Arts and Sciences English*

ENGL 701 - Master's Thesis

(3) **Credit Hours** Individual study leading to the completion of the M.A. thesis. See department chair for further information. **Levels:** Graduate *College of Arts and Sciences English*

ENTR 303 - Co-Op Education/Entrepreneurial Studies: JR

(3) **Credit Hours** An elective cooperative experience where students earn academic credit while performing approved entrepreneurial-related work experience. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

ENTR 305 - Creativity & Innovation

(3) **Credit Hours** Covers the framing processes and techniques individuals, groups, and organizations can use to enhance creativity and innovation. **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

ENTR 311 - New Venture Planning

(3) **Credit Hours** Identification and screening of business opportunities; analysis of personal, marketing, financial, and operational factors for start-ups; writing a business plan. **Prerequisites:** Undergraduate level ACCT 200 Minimum Grade of D and Undergraduate level MKTG 300 Minimum Grade of D and (Undergraduate level ENTR 305 Minimum Grade of D or Undergraduate level MGMT 305 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

ENTR 403 - Co-Op Education/Entrepreneurial Studies: SR

(3) **Credit Hours** An elective cooperative experience where students earn academic credit while performing approved entrepreneurial related work experience. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D **Restrictions:** May not be enrolled in one of the following Majors: Entrepreneurial Studies **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

ENTR 494 - Contemporary Issues in ENTR

(1 to 3) **Credit Hours** The field of entrepreneurship changes rapidly and successful entrepreneurs must continually stay abreast of current trends and developments. This course focuses on current issues of importance to those involved in innovation and entrepreneurship. **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 495 - The Entrepreneurial Experience

(3) **Credit Hours** Financial, legal, marketing, interpersonal, and organizational issues in owning/operating a small and growing business. **Prerequisites:** Undergraduate level ENTR 305 Minimum Grade of D and Undergraduate level ENTR 311 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

ENTR 611 - New Venture Creation

(3) **Credit Hours** Generating, recognizing, and evaluating new venture opportunities. Developing an entry strategy, writing a business plan, and obtaining start-up financing. Entrepreneurial self-assessment. **Prerequisites:** FINC 600 and MKTG 600 and (ACCT 600 or ACCT 601) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 621 - Entrepreneurial Marketing

(2) **Credit Hours** Understand the challenges and acquire the skills and information needed to maximize marketing results with minimal marketing resources. **Prerequisites:** MKTG 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 631 - Corporate Entrepreneurship & Innovation

(3) **Credit Hours** Managing innovation and creativity in large organizations. New venture development teams. Joint venture, acquisition, and licensing strategies. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 601 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: ACCT

600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 601 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 640 - Purch,Sale,Value CloseHeld Frm

(3) **Credit Hours** Techniques for valuing closely held firms and methods of structuring a purchase or sale. **Prerequisites:** FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 641 - Managing New & Grow Venture

(2) **Credit Hours** Develops understanding as to why some ventures (new and/or existing) achieve their goals, grow, and attract resources while others stagnate or go bankrupt. Business simulations, interactive multimedia programs, guest speakers, and field trips will be used to accomplish course objectives. **Prerequisites:** MGMT 600 and MGMT 601 and FINC 600 and MKTG 600 and (ACCT 600 or ACCT 601) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Arts **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 643 - Venture Capital

(1) **Credit Hours** Analysis of the venture capital industry. How to find and work with professional investors. Principles and examples of creative deal making. **Prerequisites:** FINC 600 and ENTR 611 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 646 - Harvest Entrepreneurial Ventur

(1) **Credit Hours** Founding new enterprise, elements of a successful IPO, the transition from entrepreneurial to professional management. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 601 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: ACCT 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 601 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 647 - Franchising

(1) **Credit Hours** Analysis and evaluation of franchising opportunities. Developing franchise systems. Developing effective franchiser-franchisee relationships. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 601 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: ACCT 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 601 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 651 - Family Business Issues

(2) **Credit Hours** Resolving personal and interpersonal issues, ownership succession issues, and strategic planning issues in family-owned businesses. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 601 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: ACCT 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 601 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 694 - Current Issues in Entr

(1 to 3) Credit Hours The field of entrepreneurship changes rapidly, and successful entrepreneurs must continually stay abreast of current trends and developments. This course focuses on current issues of importance to those involved in innovation entrepreneurship. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 601 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: ACCT 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 601 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 695 - Individual Reading & Research

(1 to 3) Credit Hours Open to especially qualified students with the consent of the chair of the department and the dean. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 601 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: ACCT 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 601 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 698 - Small Business Consulting

(3) Credit Hours Student teams serve as consultants to small business enterprises. Site visits, problem analysis, and recommended solutions. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 601 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) and (Course or Test: ACCT 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 601 Minimum Grade of C May not be taken concurrently.) or (Course or Test: ACCT 901 Minimum Grade of C May not be taken concurrently.) or (May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ENTR 711 - Entrepreneurship

(3) Credit Hours Students learn how to identify and evaluate a potential business venture opportunity, how to develop a business plan to take advantage of a promising opportunity, and how to gather the financial and human resources necessary to start a business. Case analyses and a business plan project are required. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Exec. Master of Bus. Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

ESLG 100 - Pronunciation

(0) Credit Hours Open to students at all levels. Students learn and practice basic articulation of the sounds of English, with additional emphasis on stress, intonation, and rhythm. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 101 - Individualized Instruction

(0) Credit Hours Independent study/tutorial; English language and business communication skills. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 105 - Speaking Fundamentals

(0) Credit Hours An introduction to essential speaking skills for non-native speakers. Recommended for beginning and low-intermediate speakers of English. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 110 - Beginning Reading/Writing

(0) Credit Hours Writing objectives for students include development of basic sentence structure, punctuation, and paragraph skills. Focus in reading is on comprehending main ideas; vocabulary study supports both reading and writing. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 111 - Beginning Grammar

(0) Credit Hours The form, meaning and use of basic English grammar is reviewed. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 113 - Beginning Listening/Speaking

(0) Credit Hours Covers the basics of listening for content, with emphasis on understanding main ideas. Note-taking is introduced. Speaking practice reinforces simple grammatical structures. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 115 - Conversational English Through Video I

(0) Credit Hours Open to students of all levels; suggested for beginning and intermediate levels. With a story-based video series, students improve listening comprehension and learn and practice American English vocabulary, culture, and speech conventions. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 120 - Intermediate Reading/Writing

(1 to 2) Credit Hours Simple academic-style texts form the major reading component. Students work to improve comprehension of main ideas and supporting details. Writing is done primarily at the paragraph level, with emphasis on organization, development, and improving grammar. **Prerequisites:** ESLG 110

Levels: Undergraduate *No College Applicable English as a Second Language*

ESLG 121 - Intermediate Grammar

(1 to 2) Credit Hours This course covers the form, meaning and use of selected grammatical structures, presented at the intermediate level. **Prerequisites:** Undergraduate Level ESLG 111 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 122 - Intermediate Listen/Discussion

(.5 to 1) Credit Hours Listening to academic lectures for main ideas and supporting details, note-taking and test-taking strategies are covered. Informal listening and speaking includes group discussion, basic presentation skills and role-play. **Prerequisites:** Undergraduate level ESLG 113 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 125 - High Intermediate Read/Writing

(1 to 2) Credit Hours Reading skills are practiced and applied to academic texts and fiction. In writing, students learn to self-edit for typical grammar and word-choice errors. Common rhetorical styles are practiced, with more emphasis on essay-length papers. **Prerequisites:** Undergraduate level ESLG 120 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 127 - High Intermediate Grammar

(1 to 2) Credit Hours The course covers the form, meaning and use of selected grammatical structures, presented at the high-intermediate level. **Prerequisites:** Undergraduate level ESLG 121 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 129 - High Intermediate Listening/Discussion

(.5 to 1) Credit Hours Course includes listening for advanced-level content, taking notes, and recalling information. Functional speaking tasks, group work, and formal and informal presentation skills are practiced. **Prerequisites:** Undergraduate Level ESLG 122 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 130 - Advanced Reading/Writing

(1 to 2) Credit Hours College-level reading skills are practiced and applied to academic textbooks, current news periodicals and journals. (Fiction and literature are not emphasized.) Students work to expand vocabulary and refine editing skills. Longer academic writing tasks are covered, including argumentation, summarizing and paraphrasing, synthesis, and a documented "mini" research paper. **Prerequisites:** Undergraduate level ESLG 125 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 131 - Advanced Grammar

(1 to 2) Credit Hours This course covers the form, meaning and use of selected grammatical structures, presented at the advanced level. Pre-requisite: ESLG 127 or equivalent proficiency. **Prerequisites:** Undergraduate level ESLG 127 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 133 - Advanced Listening/Discussion

(.5 to 1) Credit Hours Course includes listening for advanced-level content, taking notes, and recalling information. Functional speaking tasks, group work, and formal and informal presentation skills are practiced. **Prerequisites:** Undergraduate level ESLG 122 Minimum Grade of D **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 138 - Toefl Preparation

(.5 to 1) Credit Hours Review and practice of the language skills needed for the Test of English as a Foreign Language. Must be at high intermediate or advanced level to enroll. Prerequisite: successful completion of one semester of core courses. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 139 - Career English

(0) Credit Hours Functional business speaking and writing tasks are practiced, with emphasis on American cultural values in the workplace. Students apply concepts from class in a semester-long project requiring interviews and a presentation. Must be at the high intermediate or advanced level to enroll. **Levels:** Undergraduate *No College Applicable English as a Second Language*

ESLG 140 - Oral Fluency

(0) Credit Hours A course designed to improve students' ability to speak in groups and make presentations. Cultural notions of appropriate participatory style and behavior are emphasized. Must be at high intermediate or advanced level to enroll. **Levels:** Undergraduate *No College Applicable English as a Second Language*

FINC 300 - Business Finance

(3) Credit Hours The basic principles and techniques used in the financial management of a business with special emphasis on the corporation. **Prerequisites:** Undergraduate level ACCT 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 303 - Internship / Finance Junior

(3) Credit Hours An elective cooperative experience where students earn academic credit while performing approved finance-related work experience. Students must have 55 credit hours completed, 3.750 GPA, department approval. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D and Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 305 - Personal Investing

(3) Credit Hours Introductory course in investments designed to introduce students to the world of investing. Topics include the stock and bond markets, mutual funds, retirement planning, home mortgages and insurance. **Levels:** Undergraduate *Williams College of Business Finance*

FINC 340 - Firm Valuation

(3) Credit Hours Equity Analysis class. Topics include: financial statement analysis, stock valuation, discounted cash flow approaches, relative valuation and equity derivatives. **Prerequisites:** FINC 300 **Levels:** Undergraduate, Graduate *Williams College of Business Finance*

FINC 350 - Financial Statement Analysis

(3) Credit Hours An overview of methods to evaluate a firm's financial statements in order to determine the firm's value and ability to meet its financial obligations. **Prerequisites:** Undergraduate level ACCT 200 Minimum Grade of D and Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 365 - Investments

(3) **Credit Hours** Evaluation, selection and management of securities and portfolios including a study of theory using analytical approaches. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 370 - Financial Institutions

(3) **Credit Hours** A study of the operations and management of the major financial institutions in the U.S. and the regulatory environment in which they operate. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 401 - Financial Management

(3) **Credit Hours** Financial theory and its applications to corporation finance. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 403 - Internship / Finance Senior

(3) **Credit Hours** An elective cooperative where students earn academic credit while performing approved finance-related work experience. Students must have 55 credit hours completed, 2.750 GPA, departmental approval required **Prerequisites:** Undergraduate level [MGMT 301](#) Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 460 - Security Analysis

(3) **Credit Hours** Equity Analysis class. Topics include: financial statement analysis, stock valuation, discounted cash flow approaches, relative valuation and equity derivatives. **Prerequisites:** Undergraduate level FINC 365 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 465 - Options & Futures Markets

(3) **Credit Hours** Options and futures strategies, the valuation of options and futures, and the theory of hedging. **Levels:** Undergraduate *Williams College of Business Finance*

FINC 475 - Real Estate Finance

(3) **Credit Hours** Properties and principles of institutions, instruments, and methods used to finance commercial, industrial and residential real estate. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 476 - International Finance

(3) **Credit Hours** International monetary system, international money and capital markets, and financing of international business. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 480 - Risk Management & Insurance

(3) **Credit Hours** Types of non-speculative risk facing individuals and businesses will be explored. The methods available to handle risks will then be examined. The insurance industry, its regulatory environment, and insurance contracts provided by commercial insurers and federal and state governments and including those for the risk of: premature death, health, disability, automobile ownership, home ownership, and business ownership will be examined. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 485 - Computer Applications in Finance

(3) **Credit Hours** The course is designed to develop the students' ability to integrate an electronic spreadsheet into the identification, analysis and solution stages of financial problems. Through this course, students will gain a conceptual as well as a practical understanding of spreadsheets and will be equipped with the spreadsheet skills needed to engage in economic financial modeling. Consent of instructor required for non-finance majors. **Prerequisites:** (Undergraduate level INFO 200 Minimum Grade of D or Undergraduate level INFO 301 Minimum Grade of D) and Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 490 - Portfolio Management I

(3) **Credit Hours** This course is the first part of the portfolio management experience for the student members of the Xavier Student Investment Fund (XSIF). Members of the XSIF student management team are selected each semester by faculty in the Department of Finance. **Prerequisites:** FINC 340 or FINC 460
Levels: Undergraduate *Williams College of Business Finance*

FINC 492 - Portfolio Management II

(3) **Credit Hours** This course is the second part of the portfolio management experience for the student members of the Xavier Student Investment Fund (XSIF). Members of the XSIF student management team are selected each semester by faculty in the Department of Finance. **Prerequisites:** FINC 490 **Levels:** Undergraduate *Williams College of Business Finance*

FINC 495 - Cases & Problems in Finance

(3) **Credit Hours** Integrates the subjects of the core finance courses. Consists of case studies involving financial analysis, capital budgeting, capital structure, and related areas. **Prerequisites:** Undergraduate level ACCT 350 Minimum Grade of D or Undergraduate level FINC 350 Minimum Grade of D or Undergraduate level ACCT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Finance*

FINC 497 - Readings in Finance

(3) **Credit Hours** Advanced reading and research in finance open only to seniors. Projects must have the approval of the department chair and dean. **Levels:** Undergraduate *Williams College of Business Finance*

FINC 499 - Tutorial in Finance

(3) **Credit Hours** Independent study in finance. Participating student works individually with an instructor to develop an understanding of advanced topics. Independent studies must be approved by the Department Chair. **Levels:** Undergraduate *Williams College of Business Finance*

FINC 500 - Corporate Finance

(3) **Credit Hours** The course introduces the basic principles, concepts and analytical tools of financial management with special emphasis on the corporation. Topics include The Value of Money, Risk and Return, Stock and Bond valuation and yield, Financial statements, cash flows, and ratios, Basic capital budgeting techniques (NPV, payback, IRR, MIRR), Basic cash flow estimation (expansion projects, Firm-level WACC, Introduction to finance/financial environment/financial markets/rates, Efficient Markets Hypothesis, Capital structure theory (no tax; corporate tax; corporate tax and bankruptcy) Raising capital. **Prerequisites:** (Graduate level ACCT 500 Minimum Grade of C or Accounting 500 Financial 500) and (Graduate level ACCT 501 Minimum Grade of C or Accounting 501 Managerial 501) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 600 - Managerial Finance

(3) **Credit Hours** In-depth study of finance. Topics include option pricing, advanced capital budgeting, capital structure, financial analysis, decision trees, agency conflicts, capital structure theory, dividend policy, working capital, asset pricing models, risk management & derivatives, and related corporate theory. **Prerequisites:** (Graduate level ACCT 500 Minimum Grade of C or Accounting 500 Financial 500) and (Graduate level ACCT 501 Minimum Grade of C or Accounting 501 Managerial 501) and (Graduate level FINC 500 Minimum Grade of C or Finance 500 500) and (Graduate level STAT 500 Minimum Grade of C or Statistics 500 500) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 602 - Investment Management

(3) **Credit Hours** Evaluation, selection, and management of securities and portfolios. Includes a study of theory using analytical approaches. **Prerequisites:** FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 621 - Options & Futures Markets

(3) **Credit Hours** Options and futures strategies: the valuation of options and futures, the theory of hedging. **Prerequisites:** FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 632 - Multinational Financial Management

(3) Credit Hours Background, techniques, and concepts necessary to invest in the global security market: overview of international economic environment, foreign exchange markets, international finance, investment portfolios, equity, bond market and foreign currency futures and options, gold and gold-linked investments. **Prerequisites:** FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 640 - Purchase, Sale, and Valuation of Closely-Held Firms

(3) Credit Hours Techniques for valuing closely held firms and methods of structuring a purchase or sale. **Prerequisites:** FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 645 - Mergers and Acquisitions

(3) Credit Hours This course provides the student with an introduction to Mergers and Acquisitions as a means of enterprise value creation. This course will outline the legal, tax, and accounting framework for mergers and acquisitions, and provide an overview of valuation methodologies as a foundation upon which the student can build with further education and/or work experience. **Prerequisites:** FINC 600 **Levels:** Graduate *Williams College of Business Finance*

FINC 651 - Money and Capital Markets

(3) Credit Hours Financial institutions and markets, the theory of interest rate determination, monetary policy, and fiscal policy. **Prerequisites:** Graduate level FINC 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 653 - Problems & Cases In Finc

(3) Credit Hours Case studies involving financial analysis, capital budgeting, capital structure, and related areas. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 660 - Security Analysis

(3) Credit Hours Equity Analysis class. Topics include: financial statement analysis, stock valuation, discounted cash flow approaches, relative valuation and equity derivatives. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 663 - Fixed Income & Debt Mgmt

(3) Credit Hours Evaluation, selection, and management of fixed income securities and debt positions. **Prerequisites:** FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 664 - Bond Portfolio Management

(3) Credit Hours This course is a portfolio management experience for student members of the Xavier Students Bond Investment Fund (XSIBF). Members of the XSIBF student management team are selected each semester by the faculty in the Department of Finance. **Prerequisites:** Graduate level FINC 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 670 - The Mutual Fund Business

(3) Credit Hours This course will provide a comprehensive examination of the mutual fund industry as a setting to examine several functional areas of business. Subject areas will include: Individual and Institutional Investing, Distribution, Operations, Marketing, Customer Service, Management, Economics and Regulation. In addition, a thorough analytical approach to evaluating portfolio performance will be covered including topics such as risk adjusted performance measures, market timing, attribution analysis and style analysis. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 675 - Real Estate Finance

(3) Credit Hours Analyze investments in real estate with emphasis on financial considerations while also giving explicit attention to the social political, marketing, legal and physical factors affecting investment decisions and performance. **Prerequisites:** FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 683 - Applications in Corporate Finc

(3) Credit Hours This course integrates the latest developments in both the theory and practice of corporate finance and gives advanced treatment to questions raised in FINC 901. Topics covered include valuation of financial and real assets, financial risk management, the market for corporate control, financing decisions and market efficiency, dividend policy, capital structure, and ethics in finance. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 684 - Financial Modeling

(3) Credit Hours This course is designed to develop the students' ability to integrate spreadsheets into the identification, analysis and solution stages of financial problems. Through this course, students will gain a conceptual as well as practical understanding of financial models and will be equipped with the spreadsheet skills needed to engage in financial modeling. **Prerequisites:** Graduate Level FINC 600 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 685 - Financial Theory

(3) Credit Hours Examines the concepts and foundations of financial theories. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 695 - Individual Readings & Research

(1 or 3) Credit Hours Open to especially qualified students with the consent of the chairman of the appropriate department and dean. **Prerequisites:** (Course or Test: FINC 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: FINC 901 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Finance*

FINC 700 - Corporate Finance

(3) Credit Hours **Prerequisites:** Graduate level ACCT 701 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Exec. Master of Bus. Admin Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 701 - Managerial Finance

(3) Credit Hours The central theme is developing a managerial perspective for key financial decisions while creating shareholder value. Topics include: financial analysis, working capital management, time value of money, capital budgeting, cost of capital, capital structure, dividend policy, financial ethics, and valuation of debt and equity securities. Pre-requisite: Admission to the Executive MBA program **Prerequisites:** Graduate level FINC 700 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business Must be enrolled in one of the following Majors: Management **Levels:** Graduate *Williams College of Business Finance*

FINC 801 - Corporate Finance

(3) Credit Hours The basic principles and techniques used in the financial management of a business with special emphasis on the corporation. **Prerequisites:** Graduate level ACCT 803 Minimum Grade of C and Graduate level STAT 801 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FINC 901 - Managerial Finance

(3) Credit Hours In-depth study of corporate finance. Topics include capital budgeting, capital structure, financial analysis, and related corporate theory. Lectures, cases, readings. Students must have completed all Business Skills and required Foundation Skills courses **Prerequisites:** Graduate level FINC 801 Minimum Grade of C and Graduate level ACCT 803 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Finance*

FREN 101 - Elementary French I

(3) Credit Hours An introduction to basic language skills through emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

FREN 102 - Elementary French II

(3) Credit Hours The second semester elementary course which is a continuation of FREN 101. **Prerequisites:** Undergraduate level FREN 101 Minimum Grade of D or Placement - French 102 or Graduate level EDMS 999 **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

FREN 201 - Intermediate French I

(3) Credit Hours The first semester intermediate course which is a continuation of FREN 102 with a particular emphasis on the development of more creative use of the language. **Prerequisites:** Undergraduate level FREN 102 Minimum Grade of D or Placement - French 201 or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 202 - Intermediate French II

(3) Credit Hours A communicative-oriented course emphasizing reading and writing skills through the study of authentic materials dealing with francophone culture. This course includes a comprehensive grammar review. **Prerequisites:** Undergraduate level FREN 201 Minimum Grade of D or Placement - French 202 or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 203 - Introduction to Business French

(3) Credit Hours Development of four skills in the context of the contemporary francophone business world by means of readings, discussions and written practice. Emphasis on the terminology of commercial French. May be taken as an alternative to FREN 202. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 205 - French Literature and the Moral Imagination

(3) Credit Hours This course is designed to contribute to the Ethics, Religion and Society focus of the core curriculum. Students will study the French philosopher Henri Bergson's analysis of what makes human's laugh and, then, see how this analysis is played out in the comedies of the classical French comic genius, Moliere. Several of his "comedies of manners" and "comedies of character" will be studied and discussions will focus on the universal aspect of the societal or personal problem or foible that is being held up to ridicule. **Prerequisites:** (Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D) and Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level PHIL 100 Minimum Grade of D **Course Attributes:** Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 300 - Advanced French I

(3) Credit Hours An upper-division course which is a continuation of FREN 202 in that it builds on the language skills and cultural knowledge acquired in FREN 202. **Prerequisites:** Undergraduate level FREN 202 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 301 - Advanced French II

(3) Credit Hours An upper-division course which offers advanced grammar study and further language skill development through the study of authentic texts. **Prerequisites:** Undergraduate level FREN 202 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 302 - French Conversation

(3) Credit Hours An upper-division course designed for the development of speaking and listening skills through active participation by students. Discussions and activities are based on contemporary issues. **Prerequisites:** Undergraduate level FREN 202 Minimum Grade of D or Placement - French 300 or EDMS 999 or Undergraduate level FREN 203 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 303 - French Composition

(3) Credit Hours An upper-division course designed for the development of both formal and informal writing skills. Types of writing include journal, letter, summary, and analytical. **Prerequisites:** Undergraduate level FREN 202 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 315 - Business French I

(3) Credit Hours A continuation of FREN 203 as preparation for the Paris Chamber of Commerce examination, the certificat pratique. **Prerequisites:** Undergraduate level FREN 203 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 330 - Methods Curriculum and Assessment In Foreign Languages

(3) Credit Hours This course provides an introduction to curriculum content, teaching methodologies and assessment techniques as they pertain to candidates preparing for initial licensure in the teaching of foreign languages. Field experiences will also be incorporated into the course curriculum. Individual interview with instructor is required prior to registering for course. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 350 - French Culture/Civilization I

(3) Credit Hours Representative history and civilization of France. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 351 - French Culture/Civilization II

(3) Credit Hours Representative history and civilization of the francophone world. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 420 - Survey of French Literature I

(3) Credit Hours A chronological study of French literature and civilization in the seventeenth and eighteenth centuries. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 421 - Survey of French Literature II

(3) Credit Hours A chronological study of French literature and civilization in the nineteenth and twentieth centuries. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 430 - The Middle Ages & Renaissance

(3) Credit Hours A chronological study of French literature and civilization in the Middle Ages and the sixteenth century. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 432 - The Sixteenth Century

(3) **Credit Hours** An in-depth study of representative authors from the French Renaissance, such as Ronsard, Du Bellay, and Montaigne. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 434 - The Seventeenth Century

(3) **Credit Hours** An in-depth study of representative authors of the French baroque and classical periods, such as Corneille, Descartes, Pascal, La Fontaine, Moliere, Racine. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 303-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 436 - The Eighteenth Century

(3) **Credit Hours** An in-depth study of representative authors of the Age of Enlightenment, such as Diderot, Voltaire, Rousseau. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 438 - The Nineteenth Century

(3) **Credit Hours** An in-depth study of representative authors of French Romanticism and Realism, such as Chateaubriand, Hugo, Balzac, Flaubert. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 439 - French Theatre

(3) **Credit Hours** This course builds on the four skills of reading, writing, speaking, and listening as developed in French language courses through the 300 level. At the same time, students will study representative works of the French theatre from its origins through the twentieth century. Students are required to have taken at least one French course from the 300-351 level, or obtain departmental approval. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 440 - The Twentieth Century

(3) **Credit Hours** An in-depth study of representative authors of the twentieth century, such as Proust, Gide, Sartre, Camus. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D or Graduate level EDMS 999 **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 450 - Classical French Theatre: Myth/Moral

(3) **Credit Hours** An in-depth study of the French classical playwrights, Corneille, Moliere and Racine. Taught in English; does not count toward major, minor or language certification. Fulfills the E/RS Focus elective. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum

Grade of D **Course Attributes:** ERS Focus Elective, Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 451 - Twentieth Century French Theatre

(3) Credit Hours A study of twentieth-century French theatre's major movements and representative dramatic works. Students **MUST** have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 303-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D **Course Attributes:** Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 452 - French Comedy

(3) Credit Hours A chronological study of the development of French comedy from the medieval farce to the present. Students **MUST** have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D **Course Attributes:** Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 453 - French Tragedy

(3) Credit Hours A chronological study of the development of French tragedy, melodrama, and tragi-comedy from the medieval Passion plays to the present. Students **MUST** have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D **Course Attributes:** Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 461 - French Women Writers

(3) Credit Hours A chronological study of representative French women writers from the Middle Ages to the present. Students **MUST** have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 495 - Directed Study: Language

(0 to 9) Credit Hours Independent study. Students **MUST** have successfully completed FREN 202/203 before enrolling in this course. **Prerequisites:** Undergraduate level FREN 202 Minimum Grade of D and Undergraduate level FREN 203 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 496 - Directed Study: Culture/Civilization

(0 to 3) Credit Hours Independent study. Students **MUST** take at least one of the following courses before enrolling in other upper division courses: FREN 303-351. **Prerequisites:** Undergraduate level FREN 202 Minimum Grade of D and Undergraduate level FREN 203 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 497 - Directed Study: Literature

(0 to 6) Credit Hours Independent study. Students **MUST** take at least one of the following courses before enrolling in this course: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 499 - Senior Research Project

(1) **Credit Hours** Research for senior project is required for all majors in French. Most of the required upper-division coursework for the major must be completed before enrolling in this course. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

FREN 700 - Graduate Research: French

(3) **Credit Hours** Research for M.A. Degree. Students MUST have successfully completed at least one of the following courses before enrolling in other upper division courses: FREN 300-351. **Prerequisites:** Undergraduate level FREN 300 Minimum Grade of D or Undergraduate level FREN 301 Minimum Grade of D or Undergraduate level FREN 302 Minimum Grade of D or Undergraduate level FREN 303 Minimum Grade of D or Undergraduate level FREN 315 Minimum Grade of D or Undergraduate level FREN 350 Minimum Grade of D or Undergraduate level FREN 351 Minimum Grade of D **Levels:** Graduate *College of Arts and Sciences Modern Languages*

GERM 101 - Elementary German I

(3) **Credit Hours** An introduction to basic language skills through the acquisition of high-frequency vocabulary and the development of cultural awareness. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

GERM 102 - Elementary German II

(3) **Credit Hours** The second semester elementary course with added emphasis on reading and speaking in the target language. Pre-requisite: GERM 101 (or by placement test) **Prerequisites:** Undergraduate level GERM 101 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

GERM 201 - Intermediate German I

(3) **Credit Hours** The first semester intermediate course with emphasis on the development of more creative, independent use of the target language. Pre-requisite: GERM 102 (or by placement test) **Prerequisites:** Undergraduate level GERM 102 Minimum Grade of D or Placement -German 201 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 202 - Intermediate German II

(3) **Credit Hours** A communicative-oriented course emphasizing reading and writing skills through the study of authentic materials dealing with the culture of the German speaking world. Pre-requisite: GERM 201 or placement by test. **Prerequisites:** Undergraduate level GERM 201 Minimum Grade of D or Placement - German 202 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 300 - Advanced German I

(3) **Credit Hours** The course offers advanced grammar study through active reading and discussion of authentic, everyday German texts. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 301 - Advanced German II

(3) **Credit Hours** A communicative-oriented course with particular emphasis on the fine details of "educated German." Authentic texts from "Der Spiegel" and other news-magazines and newspapers and authentic German newscasts are examined in preparation for the international German proficiency exam administered by the Goethe Institute, the "Zertifikat Deutsch." This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 302 - German Conversation

(3) **Credit Hours** A course designed for the development of speaking and listening skills through active participation by students. Discussions and activities are based on contemporary issues. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 303 - German Composition

(3) **Credit Hours** The goal of this course is the development of both formal and informal writing skills within a cultural or literary framework. Types of writing include among others journal entries, letters, summaries and analyses of texts and audio materia. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 315 - Business German

(3) **Credit Hours** German business etiquette and business practice as well as the language of German business are practiced through discussions of texts from German business magazines and authentic business letters as well as recreations of real life business situations. This course is a preparation for the international German Business Exam. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 316 - Advanced Business German

(3) **Credit Hours** Advanced Business German is a continuation of GERM 315: Business German. The emphasis is on intercultural conduct in business situations, the vocabulary of German business and economics, advanced grammar review, and ultimately the preparation for the international Business German examination "Prüfung Wirtschaftsdeutsch" (PWD) which is usually administered in April of each year. The course offers an in-depth exposure to the spoken and written language of the German-speaking business world: formalities and conventions of business correspondence, 'Lebenslauf,' business in the media, conference terms and codes of behavior, abbreviation usage in the corporate world, documents relating to forms of enterprises and their financing, taxes, reports on the economics of German-speaking countries, and simulations of business situations. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test.

Prerequisites: Undergraduate level GERM 202 Minimum Grade of D and Undergraduate level GERM 315 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 320 - Stylistics & Advanced Reading

(3) **Credit Hours** To sharpen both the grammar and the written/oral communication skills of the participants through reading and discussing diverse German texts from Spiegel, FAZ, Profil is the goal. Particular emphasis will be placed on written analysis. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 330 - Methods Curriculum and Assessment In Foreign Languages

(3) **Credit Hours** This course provides an introduction to curriculum content, teaching methodologies and assessment techniques as they pertain to candidates preparing for initial licensure in the teaching of foreign languages. Field experiences will also be incorporated into the course curriculum. Individual interview with instructor is required prior to registering for course. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 340 - German History & Civilization

(3) **Credit Hours** This overview of the history and culture of the German speaking world offers an introduction into the socio-political, economic and philosophical issues from 800A.D. to the present. This content based advanced German course is intended to sharpen the oral and written communication skills of the students as well as deepen their knowledge of Central European history and thought. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 350 - German Culture I

(3) **Credit Hours** The historical, cultural, socio-economic, political and philosophical background of the German speaking world are explored to help understand events leading up to 1933. German contributions to world culture in literature, art, music, science, and other fields are analyzed. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 351 - German Culture II

(3) **Credit Hours** The tremendous changes that the German speaking countries underwent since 1933 are examined through among others the medium of contemporary political rhetoric (and propaganda), documentaries, editorials, cartoons, cabaret songs. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 410 - The German Fairy Tale

(3) **Credit Hours** An in-depth study of the concerns and impact of Grimm's Fairy Tales on the contemporary and the present-day reader that also presents modernized versions as well as a comparison to the American versions of the Grimm Tales. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 420 - Introduction to German Literature I

(3) **Credit Hours** A chronological survey of Germanic literature from its Medieval beginnings (Hildebrandslied) to the highlights of the Romantic period (Taugenichts). Presentation based on genres and movements. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test.

Prerequisites: Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 421 - Introduction to German Literature II

(3) **Credit Hours** A chronological study of Germanic literature from the highlights of the Classical period (Goethe, Schiller) to the present. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 430 - The German Short Story

(3) **Credit Hours** Social, political, cultural, and economic issues of contemporary Germany are discussed as presented in the postwar short stories of among others Borchert, Boll, Kaschnitz, Langasser, Siegfried Lenz, Bichsel, etc. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test.

Prerequisites: Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 435 - The Classical Period

(3) **Credit Hours** An introduction to the "greats" of German literature (Goethe, Schiller, Kleist) and their contemporaries in other Germanic countries with particular emphasis on the socio-political issues reflected in their works. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test.

Prerequisites: Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 440 - Contemporary German Literature

(3) **Credit Hours** Various forms of literature from poetry to the radio and television play are used to explore commonalities/differences in the works of Grass, Boll, Johnson, Eich, Walser, Bernhard, Hildesheimer, Seghers, Frisch, etc. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test.

Prerequisites: Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 441 - German Women Writers

(3) **Credit Hours** A chronological study of representative Germanic women writers from the Middle Ages to the present with special emphasis on the literature of the former GDR women writers vs. those of the former FRG ("The Third Way"). This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 442 - Maennerliteratur-Frauenliteratur

(3) **Credit Hours** The literature of men and women writers is traced through the ages and literary styles and modes are compared. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 444 - The German Speaking World 1945-1995

(3) **Credit Hours** The breathtaking events of the years after WWII are explored through historical texts, newspaper and magazine articles as well as contemporary prose, drama, poetry, and radio play. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 454 - East German Writers

(3) **Credit Hours** Novels, stories, poems and songs of "East German Writers" reflecting the "East German" reality are used to examine the clash of "socialist realism" with communist reality and censorship. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 460 - German Literature in Film

(3) Credit Hours Introduces a series of contemporary German films, all of which are based on German literary masterpieces, and seeks to compare and contrast the literary works and their film adaptations. Taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 465 - Culture as Reflected in Drama

(3) Credit Hours On the basis of discussing German dramas, the periods they reflect are discussed. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 468 - Cultural Reflections in Literature

(3) Credit Hours Poems, novellas, novels, and short stories are examined as genres and how they deal with the socio-political issues of their time. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 470 - The Romantic Period

(3) Credit Hours An in-depth study of the cultural, historical, political, and economic background of this period, which was romantic in name only, is provided as a basis for understanding the literature of the only literary period to originate on German soil. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 494 - Selected Reading

(3) Credit Hours An independent study course created specifically for the special needs of a particular student. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 495 - Directed Study: Language

(1 to 3) Credit Hours Independent study. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 496 - Directed Study: Culture/Civilization

(1 to 3) Credit Hours Independent study. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 497 - Directed Study: Literature

(1 to 3) Credit Hours Independent study. Pre-requisite: GERM 202 or by placement test. **Prerequisites:** Undergraduate level GERM 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 499 - Senior Research Project

(1) Credit Hours Research for senior project is required for all majors in German. Most of the required upper-division coursework for the major must be completed before enrolling in this course. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

GERM 616 - Advanced Business German

(3) Credit Hours Advanced Business German is a continuation of GERM 315: Business German. The emphasis is on intercultural conduct in business situations, the vocabulary of German business and economics, advanced grammar review, and ultimately the preparation for the international Business German examination "Prüfung Wirtschaftsdeutsch" (PWD) which is usually administered in April of each year. The course offers an in-depth exposure to the spoken and written language of the German-speaking business world: formalities and conventions of business correspondence, Lebenslauf, business in the media, conference terms and codes of behavior, abbreviation usage in the corporate world, documents relating to forms of enterprises and their financing, taxes, reports on the economics of German-speaking countries, and simulations of business situations. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

GERM 640 - German History & Civilization

(3) Credit Hours This overview of the history and culture of the German speaking world offers an introduction to the socio-political, economic, and philosophical issues from 800 A.D. to the present. This content based advanced German course is intended to sharpen the oral and written communication skills of the students as well as deepen their knowledge of Central European history and thought. This course is taught entirely in German. Pre-requisite: GERM 202 or by placement test.
Levels: Graduate *College of Arts and Sciences Modern Languages*

GERM 700 - Graduate Research: German

(3) Credit Hours Research for the M.A. Degree. Pre-requisite: Students must have successfully completed at least one upper-division course. **Levels:** Graduate
College of Arts and Sciences Modern Languages

GREK 101 - Elementary Greek I

(3) Credit Hours One semester. The ancient Greek language. syntax, vocabulary, and morphology. The skills necessary to read ancient Greek. **Levels:** Undergraduate *College of Arts and Sciences Classics*

GREK 102 - Elementary Greek II

(3) Credit Hours One semester. A continuation of GREK 101. **Prerequisites:** Undergraduate level GREK 101 Minimum Grade of D **Levels:** Undergraduate
College of Arts and Sciences Classics

GREK 201 - Attic Prose

(3) Credit Hours For students who have had six hours of college level Greek or its equivalent. Selected readings from various Greek authors and genres.
Prerequisites: Undergraduate level GREK 101 Minimum Grade of D and Undergraduate level GREK 102 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 202 - Attic Tragedy

(3) Credit Hours Selected readings from various authors and genres. **Prerequisites:** Undergraduate level GREK 201 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 203 - Plato: Selected Readings

(3) Credit Hours The Apology and other selections. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 241 - Koine Greek I

(3) Credit Hours Readings from the New Testament and Septuagint. **Prerequisites:** Undergraduate level GREK 101 Minimum Grade of D and Undergraduate level GREK 102 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 242 - Koine Greek II

(3) Credit Hours A continuation of GREK 241. Readings may also include non-scriptural writings. **Prerequisites:** Undergraduate level GREK 241 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 311 - History of Ancient Greece

(3) Credit Hours An intensive introduction to the history of Greece from the prehistoric period to the Hellenistic Age, relying upon a reading of primary sources.
Levels: Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 321 - Homer Iliad

(3) Credit Hours A study of the epic. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 322 - Homer Odyssey

(3) **Credit Hours** A study of the epic. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 331 - Plato: The Republic

(3) **Credit Hours** A critical reading of selections from the Republic. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 341 - Thucydides

(3) **Credit Hours** A critical reading of selections from the Histories. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 351 - Aeschylus

(3) **Credit Hours** A selection of readings from several plays. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 361 - History of Greek Literature

(3) **Credit Hours** A final Greek course meant to be a summation and synthesis of the achievement of Greek literature. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 397 - Special Study: Prose

(3) **Credit Hours** Credit and content by arrangement. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 398 - Special Study: Poetry

(3) **Credit Hours** Credit and content by arrangement. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

GREK 399 - HAB Capstone Thesis

(1 to 3) **Credit Hours** Credit and content by arrangement. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

HESA 511 - Managerial Concepts in Health Care Organizations

(3) **Credit Hours** Discusses behavioral theory and its underlying principles as applied to the development of managerial and team work skills for health services administrators. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 515 - Health Care Workforce Strategy

(2) **Credit Hours** Introduces students to fundamental human resource functions: recruitment and selection, performance management, compensation and benefits, training and development, employee labor relations as they are implemented in health care organizations. The course will explore the unique strategic imperatives and challenges of workforce development in a health care organization. Pre-requisite: HESA 511. **Prerequisites:** Graduate level HESA 511 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 519 - Strategic Management & Marketing

(3) **Credit Hours** Applies organizational theories to the understanding and management of the processes by which leaders and their top management teams formulate organizational mission, assess external environments and align internal resources in the implementation of organizational strategies designed to maximize strengths and opportunities and to eliminate weaknesses and threats. Pre-requisite: HESA 511. **Prerequisites:** Graduate level HESA 511 Minimum Grade of C or Graduate level PSYC 730 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 521 - Quantitative Methods for Health Care Management

(3) Credit Hours Discusses the nature and application of various quantitative methods for analyzing and improving organizational systems and processes within the health care field. Pre-requisite: Basic statistics course. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 523 - Quality Improvement Techniques in Health Care Management

(3) Credit Hours Introduces the theoretical application of statistical quality management in health care as well as the practical application of quality improvement methods in health care settings. Pre-requisite: HESA 511, HESA 521. **Prerequisites:** Graduate level HESA 511 Minimum Grade of C and Graduate level HESA 521 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 529 - Information Systems for Health Services

(2) Credit Hours This course introduces students to theory, technology, and practical application of information systems. Emphasis is placed on preparing managers to interact with multidisciplinary personnel to design, acquire and maintain information systems for integrated health care delivery. Pre-requisite: HESA 551, HESA 571. **Prerequisites:** Graduate level HESA 511 Minimum Grade of C and Graduate level HESA 561 Minimum Grade of C and Graduate level HESA 571 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 551 - Management Accounting for Health Care

(3) Credit Hours Examines basic concepts of the structure and use of information to support managers' decision models. Introduces activity-based techniques for costing sales of health services, delivery activities and alternative organization structures. Covers accounting techniques to support the control of operations. Focuses on the relationship of costs to revenues in competitive, integrated care delivery systems. Pre-requisite: Basic accounting course. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 555 - Corporate Finance for Health Care Organizations

(3) Credit Hours Examines basic principles and techniques used in the financial management of a health care facility, with special emphasis on the capital acquisition problems within the health care industry and their relationship to external pressures on the industry's structure. Pre-requisite: HESA 551. **Prerequisites:** Graduate level HESA 551 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 559 - Financial Management of Health Care Organizations

(3) Credit Hours Examines special financial management topics in the health care industry, such as leasing, refunding debt, risk analysis, outsourcing and merging. Places special focus on the management implications of revenue flows under various payment systems within integrated delivery systems and the effects of regulation. Pre-requisite for MHSA students: HESA 551 and HESA 555. Prerequisite for MHSA/MBA students: ACCT 901 and FINC 901 **Prerequisites:** (Graduate level HESA 551 Minimum Grade of C and Graduate level HESA 555 Minimum Grade of C) **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 561 - Clinical Processes for Health Care Administration

(2) Credit Hours Prepares students to become conversant with clinicians by introducing them to basic concepts, terminology, disease processes and clinical issues, and by exposing them to clinical experiences in the classroom and in patient care environments. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 567 - Applied Epidemiology in Health Services Administration

(3) Credit Hours Students are introduced to epidemiologic concepts, skills and data, the application of epidemiology to population health and health services and to the application of epidemiologic literature in health services management through an applied project using a health status analysis. Methods to determine risk factors for health problems are discussed and examined in this project. Pre-requisite: HESA 521, HESA 561, HESA 571. **Prerequisites:** Graduate level HESA 521 Minimum Grade of C and Graduate level HESA 561 Minimum Grade of C and Graduate level HESA 571 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 571 - Healthcare Services in the U.S

(3) Credit Hours Provides (1) an historical perspective on the development of health care services in the United States, (2) a description of the key factors and issues which influence the development of the current health care delivery systems and (3) a description of the current health care delivery systems. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 575 - Health Economics

(3) **Credit Hours** Examines the application of economic principles to the allocation of scarce resources in health care; the use of economic theory to understand problems of organization, delivery, and financing of health services; and the choices available to society regarding these issues. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 579 - Health Policy & Policy Analysis

(3) **Credit Hours** Provides an overview of health policy in the United States and introduces both qualitative and quantitative methods for analyzing health policy with attention given to the political and economic perspectives on health policy questions. Pre-requisite: HESA 571, HESA 575. **Prerequisites:** Graduate level HESA 571 Minimum Grade of C and Graduate level HESA 575 Minimum Grade of C and Graduate level HESA 521 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 581 - Health Care Legal Aspects

(3) **Credit Hours** Describes the legal climate within which the health care institution operates with an emphasis on the legal concepts that influence the activities of health care administrators. Pre-requisite: HESA 571. **Prerequisites:** Graduate level HESA 571 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 583 - Ethical Issues in Health Care

(3) **Credit Hours** Introduces students to the dominant ethical theories and principles, and the current ethical issues in health care (professional, clinical, social, business, organizational). Provides students with the opportunity to begin to formulate an ethical position related to these issues. **Prerequisites:** Graduate level HESA 571 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 599 - Integrative Seminar on Health Services Administration

(3) **Credit Hours** Integrates the specialized disciplines and knowledge learned from previous HESA courses through the use of case analyses. Students are challenged to formulate strategies that address complex problem situations faced by managers of health services organizations. Pre-requisite: HESA 511, HESA 519, HESA 521, HESA 523, HESA 559, HESA 565, HESA 569, HESA 571, HESA 575, and two of the following courses: HESA 585, HESA 587, or HESA 589. This course will utilize an industry case study to examine issues associated with the strategic change and the alignment of health services organizations within their environment. Member of the faculty and experts from the community will present views on these issues and challenge students to formulate and implement strategies and business plans to address problems faced today in the world of health care delivery. **Prerequisites:** Graduate level HESA 519 Minimum Grade of C and Graduate level HESA 523 Minimum Grade of C and Graduate level HESA 559 Minimum Grade of C and Graduate level HESA 571 Minimum Grade of C and Graduate level HESA 575 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 601 - Professional Development I

(1) **Credit Hours** Introduces students to professional organizations, trade organizations and accrediting agencies that serve and support the health care industry. Invited executive speakers discuss their respective organizations' missions, philosophies and functions. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 602 - Professional Development II

(1) **Credit Hours** Focuses on preparing students for administrative residency search. Students prepare resumes and letters and undertake mock interviews as preparatory measures. Residency search begins at the end of the spring semester and continues through summer and fall semesters for MHSA students. Dual degree students generally begin their active residency and/or fellowship searches in the fall semester of their second year. Pre-requisite: HESA 601. **Prerequisites:** Graduate level HESA 601 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 603 - Professional Development III

(1) **Credit Hours** This course focuses on a current, significant topic, such as strategic change, facility planning, etc. Various health care professionals provide their specific perspectives on the topic. Pre-requisite: HESA 602. **Prerequisites:** HESA 601 and HESA 602 **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 604 - Professional Development IV

(1) Credit Hours Prepares students for administrative residency. Preceptors and current administrative residents visit campus to share their expectations and experiences. Local and regional CEOs, senior managers and other professionals also address pertinent health care topics in a seminar format. Pre-requisite: HESA 603. **Prerequisites:** HESA 601 and HESA 602 and HESA 603 **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 634 - Advanced Quality Improvement Methods

(3) Credit Hours Applies quality improvement practices including total quality management and quality function deployment to service organizations at an advanced level. Pre-requisite: HESA 523. **Prerequisites:** Graduate level HESA 523 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 646 - Marketing in a Managed Care Environment

(2) Credit Hours Examines the use of marketing concepts, functions and policies as well as the role of marketing within the current managed health care environment. Data sources on the Internet and software/databases related to health care marketing are utilized in class experiences and in a project. Pre-requisite: HESA 571, HESA 519. **Prerequisites:** Graduate level HESA 571 Minimum Grade of C and Graduate level HESA 519 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 651 - Aging in Our Society

(3) Credit Hours Examines the areas of biology, sociology, and psychology of aging with an emphasis on the application of research methodologies to the field of aging. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 655 - Administration of Agencies Serving Aged

(3) Credit Hours Examines and evaluates the range and relationship of community services, both existing and proposed, for chronically ill patients and an aging population. Pre-requisite: HESA 651. **Prerequisites:** Graduate level HESA 651 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 659 - Administration of Institutions Serving Aged

(3) Credit Hours Examines the role of the administrator in developing and administering policies and programs to meet the needs of chronically ill patients and an aging population. Pre-requisite: HESA 651. **Prerequisites:** Graduate level HESA 651 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 662 - Medical Group Management

(2) Credit Hours Expands and applies knowledge of teamwork, statistical analysis, financial management, organizational theory, strategic management and interpersonal skills to enhance the student's ability to engage physicians in the development, governance and management of medical groups. Pre-requisite: HESA 571, HESA 521, HESA 519. **Prerequisites:** Graduate level HESA 571 Minimum Grade of C and Graduate level HESA 519 Minimum Grade of C and Graduate level HESA 521 Minimum Grade of C and Graduate level HESA 521 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 672 - Health Insurance Systems & Concepts

(2) Credit Hours Covers the fundamental knowledge and skills necessary for interacting with or operating managed care insurance organizations in the current health care environment. Projects will be completed using problems related to managed care insurance and management of health care utilization risk. Pre-requisite: HESA 551, HESA 567, HESA 571. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 682 - Hospitals: Structure, Function, Management

(2) Credit Hours This course describes hospital structures, functions, management, and evolutionary growth. **Prerequisites:** Graduate level HESA 511 Minimum Grade of C and Graduate level HESA 561 Minimum Grade of C and Graduate level HESA 571 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 686 - Corporate Ethical Issues in Health Care

(3) Credit Hours Develops systematic methods of analyzing the ethical implications of corporate policies, practices and strategic decisions as they relate to internal and external stakeholders as well as to society itself. Pre-requisite: HESA 583. **Prerequisites:** Graduate level HESA 589 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 710 - Individual Study in Health Administration I

(1 to 3) Credit Hours Permits the student to individually investigate current issues related to the management of healthcare organizations under the guidance of a faculty member. **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 711 - Individual Study in Health Administration II

(1 to 3) Credit Hours Continuation of HESA 710. **Prerequisites:** Graduate level HESA 710 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 720 - Institution & Community Analysis

(2) Credit Hours Provides the student with firsthand, in-depth skills in analyzing the internal operations of a health care institution, including governance, departmental structure, planning and financial management, and human resources development, as well as the external environments impacting the organization. Pre-requisite: HESA 599, HESA 581, HESA 583, HESA, 579. **Prerequisites:** Graduate level HESA 599 Minimum Grade of C and Graduate level HESA 581 Minimum Grade of C and Graduate level HESA 583 Minimum Grade of C and Graduate level HESA 579 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 730 - Practicum in Executive Development I

(2) Credit Hours Provides students with the opportunity to observe executive role models and to assess and develop their own management philosophies. Pre-requisite: HESA 720. **Prerequisites:** Graduate level HESA 720 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 750 - Master's Project I

(3) Credit Hours This course requires students to conduct individual integrative projects that address topics important both to the student and the preceptor through demonstration of program-defined competencies. Pre-requisite: HESA 720. **Prerequisites:** Graduate level HESA 720 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HESA 751 - Residency & Master Project II

(3) Credit Hours Continuation of HESA 750 and HESA 730. **Prerequisites:** Graduate level HESA 730 Minimum Grade of C and Graduate level HESA 720 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Health Services Administration*

HIST 105 - World Civilizations I

(3) Credit Hours A survey of pre-1500 non-Western world societies, including the Pre-literate Period, Ancient Mesopotamia and Egypt, Ancient India, Early and Imperial China, Islamic Middle East, Pre-Modern Japan, and Africa below the Sahara. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 106 - World Civilizations II

(3) Credit Hours A survey of non-Western world societies since 1500, with emphasis on the modern historical development of China, Japan, the Middle East, India, and Africa below the Sahara. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 123 - African History I

(3) Credit Hours A survey of African societies from human evolution and hunter-gathering societies to the mighty states of West Africa in the medieval era. Attention is paid as well to historiography and historical sources in early African history. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 124 - African History II

(3) **Credit Hours** A survey of African societies from 1500 on. Examines both internal political and economic developments as well as the trans-Atlantic slave trade and the era of colonialism that result from European contact. Pre-requisite: HIST 123. **Prerequisites:** Undergraduate level HIST 123 Minimum Grade of D
Levels: Undergraduate *College of Arts and Sciences History*

HIST 133 - European History I

(3) **Credit Hours** A topical survey of Western Civilization from Greece to the Reformation emphasizing aspects of political, social and cultural history. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 134 - European History II

(3) **Credit Hours** A topical survey of European history from the 16th century to the 20th century emphasizing aspects of political, social, and economic and intellectual history. Pre-requisite: HIST 133. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 143 - U.S. History I

(3) **Credit Hours** Study of the United States from its colonial beginnings through the Civil War, with particular emphasis on the American Revolution, the formative years of the new nation, and the coming of the Civil War. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 144 - U.S. History II

(3) **Credit Hours** Study of the United States from the aftermath of the Civil War to the present, with particular emphasis on Reconstruction, impact of industrialization and urbanization, foreign policies, and post-World War II American culture. Pre-requisite: HIST 143. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 151 - Latin American History I

(3) **Credit Hours** This course will survey major developments in Latin American history and civilization from pre-conquest times through the Independence era of the nineteenth century. Our particular emphasis will be on understanding the unique ethnic and cultural interaction that resulted from the diverse encounters among indigenous peoples, Europeans, and Africans in the Americas. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 152 - Latin American History II

(3) **Credit Hours** This course will survey major developments in Latin American history from approximately 1810 to the present. Through lectures, a variety of readings, in-class discussions, and films, this course will explore the political, economic, and social processes that have shaped modern Latin America. Pre-requisite: HIST 151. **Prerequisites:** Undergraduate level HIST 151 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 161 - Asian History I

(3) **Credit Hours** In our modern-day, interconnected world, events in Asian countries such as Afghanistan, India, Iraq or Indonesia, for example, directly affect our lives in the US. Yet cross-cultural encounters - both friendly and hostile - have taken place for thousands of years. Moreover, modern-day interactions are deeply rooted in past experiences and events, and can only be fully understood with knowledge of this history. We will examine Asian history until 1500 CE, giving special attention to the role of religions in Asian societies, including Islam, Buddhism, and Hinduism. Forms of government, types of economies, and art and culture will also be explored. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 162 - Asian History II

(3) **Credit Hours** In this course we will examine the history of Asia from 1500 CE to the present, looking at how societies developed, changed, and interacted with one another in a pre-modern context. In the current day, there is an ever greater amount and intensity of contact between peoples and cultures from different parts of the world. In our interconnected world, what happens in Afghanistan, India, Iraq or Indonesia, for example, directly affects our lives in the United States. These modern-day interactions are deeply rooted in past experiences and events, and can only be fully understood when we have knowledge of this history. In the course we will pay special attention to the impact of and responses to European colonial expansion in Asia. Pre-requisite: HIST 161. **Levels:** Undergraduate *College of Arts and Sciences History*

HIST 210 - Sophomore Colloquium

(3) **Credit Hours** This team-taught course introduces history majors to the sources and methods of historical inquiry and thereby prepares them for upper-level electives and seminars. A cross-cultural set of issues or events will serve as the vehicle for the investigation of sources and methods and will also acquaint history

majors with the uses of comparative history. The specific issues of events as well as the geographic and chronological focus will vary from year to year. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 245 - Cincinnati History & Politics

(3) Credit Hours A political history of Cincinnati with an analysis of contemporary urban politics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 280 - Alfred Hitchcock in Hollywood

(0 to 2) Credit Hours This course is designed for undergraduates and serves as both an in-depth investigation of a major artist and an exploration of American attitudes and institutions during World War II, the Cold War, and the upheavals of the 1960s and early 70s. Students are required to do a significant amount of reading and writing. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 285 - Hollywood: A Social & Cultural History

(0 to 3) Credit Hours Hollywood has always taken historical themes for some of its most ambitious projects, a trend that has become even more pronounced in the past decade. What has not always been understood is that Hollywood and the development of the American movie industry has been a central element in the social and cultural history of 20th century America. Thus, this workshop has two purposes: to critically examine various film images of American history and equally important, to place Hollywood and its products in the larger context of 20th century American history. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 286 - America Through the Lens

(0 to 3) Credit Hours Films and television programs will be analyzed in order to both identify the cultural and historical messages they contain. The formulas and conventions of Hollywood genres will be examined. This understanding of genre will serve as a primary analytical tool as we de-construct the films and television programs studied in class. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 287 - Baseball & American Culture

(2 or 3) Credit Hours Commentators have long argued that baseball is a key to understanding American culture and the American character. Over the past two decades historians of the sport have unearthed an enormous amount of material that not only verifies this insight but allows us to be more precise about the connection between baseball and the development of American culture. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 288 - Un-"Happy Days": Fear in 1950's

(2) Credit Hours This course is designed for undergraduates and serves to introduce students to the study of mass media as well as a crucial decade in American history. It also explores the use and misuse of history, calling into question the tendency to serve up history in ten year units (i.e. the opening lecture is "The Fifties: 1935-1992"). Students are required to do a significant amount of reading (two books and a handful of reviews) and writing (five short reaction papers and a longer analytical paper). **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 289 - Movies & Cities

(0 or 3) Credit Hours The course is designed for undergraduates and serves as an introduction to both American urban history and the history of movies. It also acquaints students with interdisciplinary methods. Students are required to do a significant amount of reading and writing. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 300 - Writing in Public

(3) Credit Hours Writing in Public is a tutorial for sophomores in the philosophy, politics, and the public honors program. Designed to promote the development of public intellectuals, the tutorial emphasizes writing on public issues for a general audience. Writing in Public is taught in conjunction with POLI 324 Legislative Politics. **Co-requisites:** POLI 329 **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 301 - Colonial America

(3) Credit Hours Examines the establishment and evolution of Anglo-American colonial societies to 1754, emphasizing their social, economic, cultural, and political development. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 302 - Formative Years of the Republic: 1763-1789

(3) **Credit Hours** Thirteen colonies become a national state. Emphasis on the causes of the American Revolution and the writing of the Constitution of 1789. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 303 - The New Nation 1785-1825

(3) **Credit Hours** The U.S. Constitution and the ideas and issues which conceived and influenced the shaping of the new nation. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 304 - The Age of Jackson

(3) **Credit Hours** Probes the origins of the market revolution in America and its impact upon social, cultural and political institutions. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 306 - Civil War & Reconstruction

(3) **Credit Hours** Examines the causes and consequences as well as the experience of civil war, focusing on 1848 to 1877. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 309 - Age of Big Business:1885-1920

(3) **Credit Hours** A survey of the period emphasizing political, social, and economic topics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 313 - United States Since 1932

(3) **Credit Hours** Beginning with an analysis of the Great Depression and the federal response in the New Deal, this course traces the development of domestic and foreign policy in terms of New Deal liberalism and its challengers. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 317 - Religion in American Life

(3) **Credit Hours** Surveys American religious life from Puritanism to Televangelism, exploring such topics as revivalism as a distinctly American mode of religious expression and the relationship between religion and society. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 320 - U.S. Economic History

(3) **Credit Hours** A brief overview of the historical development of the American economy, examines in depth such topics as industrialization and its discontents, the rise and demise of slave labor, and the economic history of women. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 321 - Native American History

(3) **Credit Hours** This course provides an overview of Native American history from the peopling of the Americas to the present. It challenges students to consider the ways in which the history of Indian peoples is intertwined with the larger narrative of American history. Topics covered include the development of agriculture in North America, Native American cultural diversity, the encounter with European and African peoples, the ongoing struggle for sovereignty. Emphasis is placed upon the ways Native American peoples coped with the colonization of their continent and continue to perpetuate their cultural identities in the midst of a non-Native American population. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 324 - African-American Struggle for Equality

(3) **Credit Hours** Examines African-American movements for racial equality within a chronological framework. Focusing on African-American writers and activists, it will stress relationships between racial and national identities. The course will examine continuing debates over the meaning of equality. Based on their historical understanding, students will discuss current arguments about Black identity, affirmative action, and multiculturalism. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 329 - Urban America

(3) Credit Hours Focused on the period from the Civil War to the end of the New Deal this course examines urban industrialization and its impact on American society, politics, and culture. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 333 - Histories of American Childhood

(3) Credit Hours Modern Americans generally view childhood as a natural stage in the human life cycle distinct from the work and responsibilities of adulthood. Since the pathbreaking work of Philippe Aries (*Centuries of Childhood*, 1962), historians have challenged this popular assumption, arguing that far from being natural or universal, childhood is socially constructed. From this perspective, individual experiences and cultural expectations have been shaped by historical context, including social and economic conditions, race, ethnicity, religion, class, and gender. Students in this class will examine critically both popular and historical definitions of childhood, adolescence, and youth through reading in primary and secondary sources, class discussion, and formal written exercises. Common readings in Harvey Graff, ed., *Growing Up in America* (1987), and anthology designed for classroom use will provide a chronological and thematic framework for the course. Each student will also read, discuss, and prepare brief essays on autobiographical accounts, which may include works by Benjamin Franklin, Lucy Larcom, Frederick Douglass, Richard Wright, Sandra Cisneros, or Ann Moody. Each student will also write a review of the secondary literature on a topic in the history of childhood to be chosen in consultation with the instructor. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 335 - The "Sixties" : 1945-2008

(0 to 3) Credit Hours Taking issue with the ideology that history comes in neat ten-year packages, this course places the period of upheaval often called "the sixties" into a larger historical framework. We will identify and analyze movements and ideologies that preceded, overlapped and followed the 1960's. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 340 - History of Mexico

(3) Credit Hours Examines major themes of Mexican social, political, and cultural history from 1810 to the present. The course pays particular attention to the ways that race, class, religion, and gender have intersected over time, and the impact of these intersections on the making of modern Mexico. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 346 - Modern Japan

(3) Credit Hours A survey of Japan since 1600, including the Tokugawa Era, the Collapse of the Shogunate, the Meiji Period, the Rise of Militarism and World War II, and the Postwar Reconstruction and Economic Resurgence. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 347 - Modern China

(3) Credit Hours A survey of China since 1600, including the Rise of the Qing Dynasty, the Decline of the Manchus, the Chinese Revolution, the Warlord and Guomindang Periods, the Anti-Japanese War of Resistance, and the Communist Era. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 351 - Zionism & Modern Israel

(3) Credit Hours This course traces the growth of the Zionist movement at the end of the 19th century, first in Russia and then in Western Europe and the U.S., and its role in the creation of modern Israel coupled with an examination of Israel's history since 1948. There are two major goals in this course: to trace the development of modern Jewish nationalism as a response to 19th century anti-Semitism and understand its relationship to the creation of Israel; and second, to examine how new interpretations of Israel's history published in the past decade challenge the myths and presuppositions underlying the creation and development of the state. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 357 - History of Communication Technologies

(3) Credit Hours This class explores a series of historical revolutions in the technology of human communication. We will focus in particular on writing, printing, and hypertext technologies, tracing the story from the invention of writing through the medieval book, the printing press and up to the internet and the World Wide Web. Students will complete a wide variety of projects, including research projects culminating in public websites. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 358 - Renaissance Europe

(3) Credit Hours This course traces the growth of the Zionist movement at the end of the 19th century, first in Russia and then in Western Europe and the U.S., and its role in the creation of modern Israel coupled with an examination of Israel's history since 1948. There are two major goals in this course: to trace the development of modern Jewish nationalism as a response to 19th century anti-Semitism and understand its relationship to the creation of Israel; and second, to examine how new interpretations of Israel's history published in the past decade challenge the myths and presuppositions underlying the creation and development of the state. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 359 - Reformation Europe

(3) **Credit Hours** A study of the interaction between religious, social, and political reforms with an emphasis on the ideas of Luther, Zwinglie, Calvin, and the peasants. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 360 - Europe 1648-1815

(3) **Credit Hours** Social, political, and intellectual developments in the period from absolutism to enlightened monarchy. Emphasis will be placed on the evolution of state institutions and bureaucracies. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 363 - Cathedrals, Crusaders & Colleges

(3) **Credit Hours** This course examines medieval civilization in Europe for the period generally known as the High Middle Ages (1000-1300). We will organize our exploration of this period with three emblematic developments of the High Middle Ages: cathedral-building, the crusading movement, and the rise of universities. We will discuss the foundations of these developments, addressing the nature of the agricultural and commercial revolutions, high medieval religion, and medieval politics and patronage. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 365 - Tudor England

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 366 - Movie Knights

(3) **Credit Hours** Knights in shining armor, bow-wielding vigilantes in green tights and a cart-pushing cretin admonishing his neighbors to "bring out your dead" - all these well-known images come to us from films, the primary means by which most of us encounter medieval history. The Middle Ages seem to us at once terribly romantic (think of chivalrous knights) and horribly uncivilized (think of "medieval" table manners). This class will explore modern popular imaginings of the Middle Ages through film. We will view several feature-length films and numerous clips, interspersed with readings from and about the Middle Ages. Our aim will be to develop a more critical perspective on historical films and other historical genres, allowing us to evaluate historical films critically without sacrificing our enjoyment of them. Films will range from Monte Python's "Holy Grail" to "The Seventh Seal" and "The Kingdom of Heaven." Themes will include Robin Hood, the Crusades, the Black Death and Joan of Arc. Some reading will need to be completed before the course begins. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 367 - Stuart England

(3) **Credit Hours** A survey of the political, intellectual, social and economic history of England from 1608 - 1688. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 368 - The English Reformation

(3) **Credit Hours** An examination of the historiography of the English Reformation and of the political, social, and religious backgrounds course of the reformation in England from the late middle ages through the reign of Elizabeth I. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 370 - The British Empire

(3) **Credit Hours** An examination of issues of 19th and 20th century British Empire. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 372 - Victorian & Edwardian England

(3) **Credit Hours** Survey of English history 1830s - World War One. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 373 - England Since 1914

(3) **Credit Hours** Survey of English history and England's role in world affairs with major emphasis on 1914-1945. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 375 - Modern Ireland

(3) **Credit Hours** Survey of Irish history with major emphasis on the period after 1840; includes the history of Northern Ireland. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 377 - Modern France

(3) **Credit Hours** Survey of French history and culture since 1789. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 386 - Russia 1801-1917

(3) **Credit Hours** A general survey of the late imperial period from the reign of Alexander I to the 1917 Revolution. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 387 - USSR Since 1917

(3) **Credit Hours** This course covers the history of the Soviet Union from the Russian revolution of 1917 to the end of the Khrushchev era. Rather than developing a straight chronology of events, during the semester we will explore various approaches to the "big" problems of Soviet history, contrasting the views of various historians and incorporating a variety of primary documents. Readings and class discussions will explore the Bolshevik seizure of power, the experimental nature of Soviet society during the 1920s, collectivization and industrialization during the 1930s, interpretations of the purges and terror of the 1930s, the impact of the Second World War, Stalin's last years, and the post-Stalin era, especially concentrating on Khrushchev's rule. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 389 - Women in European History

(3) **Credit Hours** This course examines the central experiences of European women from the French Revolution to the Present. We will focus on women's involvement in social and political movements (progressive and reactionary), women's work, the changing relationship to the state (suffrage, welfare, legislation), the family, the emergence of modern feminism, women and war, and consumer culture. The course will also explore the evolution of the nature and meanings of masculinity and femininity. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 393 - History of the Jesuits

(3) **Credit Hours** This course will introduce students to religion in the late Middle Ages and the place of organized religious life in that Society. Students will then read about Ignatius Loyola and the formation of the Society of Jesus and its place in changing religious life because of the criticisms of the Christian Humanists. The students will then read about the work of the Society in education, in Latin and South America, in China and Japan, in exploring the North American continent and in astronomy. The Jesuits ran the only world wide school system from its beginnings in Messina in 1540 until the suppression of the Society in 1784. **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences History*

HIST 395 - History of South Africa

(3) **Credit Hours** South Africa is one of the wealthiest nations on the African continent and yet for the last three hundred years its riches have been in the hands of the white minority. The history of South Africa cannot be understood only within the context of European/African relations. For Dutch (Afrikaaner) and British settlers often have not shared economic and political interests. Moreover, Africans, such as Khoi, Xhosa, and Zulu have also been in conflict. The history of South Africa then, provides the opportunity to study a racially complex society in which interracial relations, and sometimes intraracial relations, were (and still are) troublesome. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 402 - SEM: Religion in American Life

(3) **Credit Hours** Examines the relationship between religion and culture in a specific era of American life (e.g. colonial America, Jacksonian America, the Gilded Age). Fulfills the E/RS Focus elective. Pre-requisite: PHIL 100, THEO 111. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 405 - SEM: American Revolution

(3) **Credit Hours** A study of the causes and issues which contributed to the coming and character of the American Revolution. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 408 - SEM: Constructing the Public

(3) **Credit Hours** The first half of this honors seminar is a rigorous, intensive, multi-disciplinary investigation of the historical development of the civic culture of the United States from 1700 (before there was a U.S.) to 2002. Students MUST take both halves of the course. **Co-requisites:** POLI 246 **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 410 - SEM: Urban America

(3) **Credit Hours** Examines the impact of urbanization on American thought, culture, and society between the Civil War and the Great Depression. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 414 - SEM: Topics in Native American History

(3) **Credit Hours** This course will introduce students to the history of Native American peoples and to the particular methodological problems involved in studying peoples who have left limited documentation. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 415 - SEM: Public History

(3) **Credit Hours** This course will provide students with basic preparation for work in cultural resource management, historic preservation, and museum fields. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 428 - SEM: Latin American Revolutions

(3) **Credit Hours** Examines major revolutions in Latin America from a variety of historical perspectives. Students will explore the origins and goals of revolutionary change; the outcomes of revolutionary struggle; and the important roles that gender, class, race, religion, and culture have played in revolutionary movements and post-revolutionary societies. Both primary and secondary sources will form a significant part of our shared reading and a major part of students' independent research. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 432 - Seminar: European History/Historians

(3) **Credit Hours** Analysis of the methods, practices, and theoretical assumptions employed by contemporary historians of Europe. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 434 - Seminar: History of Modern Paris

(3) **Credit Hours** A history of the transformation of Paris due to revolutionary upheaval, city planning, mass transit, wars, and immigration. The course examines competing political and artistic visions of Paris, and the ethical and religious frameworks that influenced these visions. History majors and minors must complete a historiographic essay to receive seminar credit for this course. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 441 - SEM: Tudor England

(3) **Credit Hours** An examination of selected topics in English history 1485 - 1603. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 450 - SEM: African Women

(3) **Credit Hours** This course seeks to place the role of women in African societies in an historical context exploring how their roles and lives have changed (and stayed the same) under the influence of their own societies and cultures, economic development, colonial rule, Islam, and Christianity. The primary goal is to seek to understand African women from their own perspective. Thus, we begin the course by exploring the differences between Western ideas of feminism and gender and African constructions of the same. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 465 - SEM: Modern Russia

(3) **Credit Hours** Selected topics in the history of late Imperial Russia. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 466 - SEM: The Stalin Era

(3) **Credit Hours** Selected topics in the era of Josef Stalin from the pre-revolution to his death. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 468 - SEM: European Social History

(3) **Credit Hours** Reading and research on 19th and 20th century European social and family issues. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 471 - SEM: Black Death

(3) **Credit Hours** The outbreak of disease and death known as the Black Death killed up to one-half of the European population in the fourteenth century and dramatically affected European society. In this seminar, we will explore the causes, general effects, and specific repercussions of this epidemic. Each student will complete the common course readings (primary and secondary sources), make class presentations on other assigned readings, and write a significant research paper. **Prerequisites:** HIST Maj/Min/Hon only **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 498 - Reading & Research

(1 to 3) **Credit Hours** Special topics examined through independent research. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HIST 588 - Soviet & Post-Soviet Politics

(3) **Credit Hours** A survey of the Soviet period emphasizing the 1917 Revolution and the Stalin era to better understand contemporary events. **Levels:** Graduate *College of Arts and Sciences History*

HIST 598 - Directed Readings

(3) **Credit Hours** Special topics examined through independent research. **Levels:** Undergraduate, Graduate *College of Arts and Sciences History*

HOCS 301 - Human Occupation Across Lifespan

(3) **Credit Hours** Built on foundation of principles of human growth and development, provides overview of humans as occupational beings. Introduce concepts of doing, being, becoming. Introduction to occupational science and review of occupational performance across developmental trajectory from birth to death. Includes categorical aspects of productive, pleasurable, and restorative occupations at individual and group levels. Introduction to the definition and history of occupational therapy. **Co-requisites:** HOCS 303 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

HOCS 303 - Technology for Life Participation I

(2) **Credit Hours** In-depth instruction in use of multi-media and general technology as teaching-learning and management tools for occupational roles across the lifespan. Students demonstrate competence in basic computer use and software applications for written and oral communication. Includes manipulation of digital pictures and video, database and search engine use, and judging validity of information obtained. Considers impact of technology on society today and ethical ramifications related to use. **Co-requisites:** HOCS 301 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

HOCS 321 - Analysis of Occupational Performance

(3) **Credit Hours** Analysis of occupational performance from human and non-human perspectives. Includes consideration of individual, contextual/environmental and occupational influences on human performance. Introduction of occupation as means vs. occupation as ends, and meaning of objects. **Prerequisites:** Undergraduate level HOCS 301 Minimum Grade of D and Undergraduate level HOCS 303 Minimum Grade of D and Undergraduate level HOCS 323 Minimum Grade of D and Undergraduate level HOCS 411 Minimum Grade of D and Undergraduate level HOCS 401 Minimum Grade of D **Co-requisites:** HOCS 403 and HOCS 405 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

HOCS 323 - Occupational Justice I: Foundations

(3) **Credit Hours** Overview of occupational participation and barriers at individual, community, and societal levels nationally and internationally. Explores concepts of occupational deprivation, imbalance, adaptation, and occupational justice. Includes discussion of policy related to equalizing rights of people who are occupationally disadvantaged. Includes plan to conduct a service learning project in partial fulfillment of requirements for HOCS 405. **Prerequisites:** Undergraduate level HOCS 301 Minimum Grade of D and Undergraduate level HOCS 303 Minimum Grade of D **Co-requisites:** HOCS 401 and HOCS 411

Course Attributes: ERS Focus Elective, Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

HOCS 401 - Transformative Nature of Occupation

(3) **Credit Hours** Course focus is on development of intrapersonal skills to lay the foundation for interpersonal communication skill development. Includes direct application of principles related to group process and group dynamics. Develops individual and group-related skills needed to be an effective change agent.

Prerequisites: Undergraduate level HOCS 301 Minimum Grade of D and Undergraduate level HOCS 303 Minimum Grade of D **Co-requisites:** HOCS 323 and HOCS 411 **Restrictions:** Must be enrolled in one of the following Programs: BLA with HOCS concentration **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

HOCS 403 - Creative & Systematic Inquiry I

(3) **Credit Hours** Overview of systematic inquiry process, introduction to qualitative research, and use of evidence-based decision making. Includes survey/needs assessment as beginning research method. Instruction in creative design process. **Prerequisites:** Undergraduate level HOCS 301 Minimum Grade of D and Undergraduate level HOCS 303 Minimum Grade of D and Undergraduate level HOCS 323 Minimum Grade of D and Undergraduate level HOCS 401 Minimum Grade of D and Undergraduate level HOCS 411 Minimum Grade of D and Undergraduate level HOCS 401 Minimum Grade of D **Co-requisites:** HOCS 321 and HOCS 405 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

Prerequisites: Undergraduate level HOCS 301 Minimum Grade of D and Undergraduate level HOCS 303 Minimum Grade of D and Undergraduate level HOCS 323 Minimum Grade of D and Undergraduate level HOCS 401 Minimum Grade of D and Undergraduate level HOCS 411 Minimum Grade of D **Co-requisites:** HOCS 321 and HOCS 405 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

HOCS 405 - Occupational Justice II: Independent Study

(3) **Credit Hours** Includes completion of service learning project locally or internationally. Discussion and personal reflection continues to build and understanding of role of culture and occupational patterns in the construction of life meaning. In depth study of occupational justice in local community and relationship to global communities. **Prerequisites:** Undergraduate level HOCS 301 Minimum Grade of D and Undergraduate level HOCS 303 Minimum Grade of D and Undergraduate level HOCS 323 Minimum Grade of D and Undergraduate level HOCS 411 Minimum Grade of D and Undergraduate level HOCS 401 Minimum Grade of D **Co-requisites:** HOCS 321 and HOCS 403 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

HOCS 411 - Conditions Influencing Participation

(3) **Credit Hours** Presentation of conditions across the lifespan common to occupational therapy intervention. Includes background information (e.g. etiology, symptoms, progression, prognosis, medical management) as well as impact of condition on occupational performance. Also includes cultural implications of health and illness as well as an overview of people with disabilities from a population perspective. **Prerequisites:** Undergraduate level HOCS 301 Minimum Grade of D and Undergraduate level HOCS 303 Minimum Grade of D **Co-requisites:** HOCS 323 and HOCS 401 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Occupational Therapy*

INFO 100 - Business Computer Applications

(1) **Credit Hours** A computer-based training course for developing core competencies using productivity tools relevant for business applications. **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 120 - Introduction to Business Technology

(1) **Credit Hours** This course will provide students with necessary skills in file management, Web development, using Internet resources for research, and using Microsoft Excel for business applications. **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 200 - Managing Information Technology

(3) **Credit Hours** An introduction to the theory and the applications of computer-based information systems in organizations with an emphasis on the management of modern information technologies used to support business. This course also includes problem solving with spreadsheets and databases. **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 303 - Internship / Information Systems Junior

(3) **Credit Hours** An elective cooperative experience where students earn academic credit while performing approved information systems-related work experience. Student must have 55 credit hours completed, 2.750 GPA, department approval required. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 328 - Database Management

(3) **Credit Hours** This is an introductory survey course in database concepts, history, evolving trends, design and implementation. There will be a conceptual portion and a "hands-on" development portion of the course. This course is designed to be a fundamentals course. **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 329 - Data Mining

(3) **Credit Hours** The students will receive an introduction to the basic theory, tools and techniques of data mining, including prediction, associations, clustering, and recommendation systems. The course will be delivered from two points of view: the technological view and the marketing management view. The students will use data mining tools when doing their team projects for customer relationship management. **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 357 - Telecommunications & Networking

(3) **Credit Hours** A study of data communications and networking theory and technologies. Students will be exposed to telecommunication configurations, network and web applications, wired and wireless architectures, topologies and protocols, installation and configuration of network and devices such as hubs, router, and bridges. Undergraduate level [INFO 200](#) Minimum Grade of C **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 358 - Data Modeling and Management

(3) **Credit Hours** The study of the theory of modeling enterprise activities in terms of their data. Databases are implemented emphasizing the relational model. **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 359 - Hardware & Software Overview

(3) **Credit Hours** Analysis of the architecture of micro computers, workstations, and small mid-range computers, with emphasis on comparative operating systems and environments. **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 360 - Introduction to Application Development

(3) **Credit Hours** An introduction to object oriented programming logic, the concepts of structure, and problem solving concepts in an object oriented environment. **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 362 - Programming for Modern Business Application

(3) **Credit Hours** Introduce students who have a basic understanding of computer concepts to programming languages currently being used by the business community. Contact the department for information on specific languages currently covered. **Prerequisites:** Undergraduate level INFO 250 Minimum Grade of D and Undergraduate level INFO 358 Minimum Grade of D and Undergraduate level INFO 358 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 368 - Introduction to Enterprise Systems

(3) **Credit Hours** An introduction to the selection, implementation, management, and usage of enterprise-wide business application software. Students will gain hands on exposure to software that supports business processes and learn about the management issues that organizations face when adopting and integrating these systems. **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 374 - Introduction to Web Site Development

(3) **Credit Hours** Tools and techniques for designing and developing quality Web pages with a concentration on the implementation of efficient and effective Web sites for personal use, small businesses, corporate offices, and entrepreneurial ventures. **Prerequisites:** Undergraduate level INFO 200 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 378 - E-Business

(3) Credit Hours Electronic commerce is an essential element for most modern businesses. This course will study all aspects of electronic commerce including the structure, organization, and use of the Internet as a means of conducting business. An emphasis will be placed on evaluating, organizing, and developing efficient models of electronic transactions. **Prerequisites:** Undergraduate level INFO 374 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 403 - Internship / Information Systems Senior

(3) Credit Hours An elective cooperative experience where students earn academic credit while performing approved information systems-related work experience. Students must have 55 credit hours completed, 2.750 GPA, departmental approval. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 450 - Systems Analysis and Design

(3) Credit Hours Structured tools and techniques for the development of computerized information systems with emphasis on the process involved in the analysis and design of the development process. Special emphasis will be placed on team development, on project management, and on quality control for the development of effective and efficient information systems. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D and Undergraduate level MGMT 300 Minimum Grade of D and Undergraduate level MKTG 300 Minimum Grade of D and Undergraduate level INFO 358 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 490 - Contemporary Issues in Information Systems

(3) Credit Hours Current issues, developments and future trends in the advancement of information systems in business. Pre-requisite: Junior/Senior status or permission of instructor. **Restrictions:** Must be enrolled in one of the following Classifications: Senior Junior **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 495 - System Development Project

(3) Credit Hours This capstone course is a direct follow-up to INFO 450 in which student teams will apply skills and techniques from other INFO and business courses for the purpose of implementing and delivering a computerized business information system. **Prerequisites:** Undergraduate level INFO 450 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 499 - Tutorial Course

(2 to 3) Credit Hours Research in scholarly journals on information systems. **Levels:** Undergraduate *Williams College of Business Management Information Systems*

INFO 600 - Information Technology Management

(3) Credit Hours The study of the issues, methods, information, and technology involved in the creation and use of information systems in a corporate environment. The focus is on the manager's influence on the design, operation, control, and communication ability. Current organizational systems and technology are evaluated. Case studies are used extensively as the content for individual and team activities. The course explores the implications created by technology as we continue to move into an information-based economy. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 602 - Management Information Systems

(3) Credit Hours Prepares students to be more effective and efficient users or managers of information technology for managerial decision-making. Students will learn basic concepts about (1) the use of information systems in organizations, (2) hardware, software, database, and telecommunications technologies, (3) techniques and tools for acquiring or developing applications of information systems, and (4) managerial issues in a technological environment. Pre-requisite: Admission to the on-site program. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 604 - Concepts of Managerial Computer Tech

(3) Credit Hours Basic introduction to computer-based information system technologies. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 626 - Knowledge Management

(3) **Credit Hours** This course focuses on organizational, managerial and technological aspects and issues of knowledge management (KM). Through empirical case studies and presentations, the course will examine how leading organizations are benefiting from different KM strategies. The course also aims to highlight the tools and techniques used both to implement the strategies and to measure their progress. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 628 - Digital Enterprise

(3) **Credit Hours** Goals of the course are to understand the impact that E-Business has on business today, the role of IS/IT in creating and changing organizational structures along with management techniques for E-Business, to develop skills for competitive advantage in this changing environment. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 645 - IT Project Management

(3) **Credit Hours** Analysis of information systems with emphasis on implementation of large and medium size MIS projects. The class will concentrate on information technology project management concepts and techniques. A combination of class lectures, guest speakers, case studies and real life experience will be used to develop understanding and practical application of Project Management concepts. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 649 - Hardware & Software Overview

(3) **Credit Hours** Analysis of the architecture of microcomputers, workstations, and small to mid-range computers. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 650 - Managing the Network Economy

(3) **Credit Hours** This course will focus on the study of the principles and techniques used in managing information systems and organizational change projects. The course will introduce the use of scheduling, resource-allocation, and capacity planning in the design, development, and implementation of information systems. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 655 - Business Intelligence

(3) **Credit Hours** This course is an introduction to Business Intelligence (BI). BI refers to the use of the computers to analyze complex information about an organization and its competitors for use in business planning and decision making. The objective is to create more timely, higher quality input to the decision process. This course takes a managerial approach to BI and emphasizes its applications and implementations. A variety of domestic and international examples will be used in the course. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 660 - Developmt Tech for the Web

(3) **Credit Hours** Tools and techniques for designing and developing quality Web pages with a concentration on the implementation of efficient and effective Web sites for personal use, small business, corporate offices, and entrepreneurial ventures. **Prerequisites:** INFO 604 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 670 - Business Telecom & Networking

(3) **Credit Hours** A study of the basic technical concepts of data communications, telecommunications, and networking along with managerial aspects and practical applications. Topics include concepts, models, architectures, protocols, standards, and security for the design, implementation, and management of digital networks. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 672 - Computer & Network Security

(3) Credit Hours This course will concentrate on the fundamentals of network, operating systems and application security. Students will study a variety of security techniques including defense, response, and forensics. Extensive analysis, reading and writing will be integral to this course. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 674 - Database Management

(3) Credit Hours **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 680 - Intro Data Mining for Managers

(3) Credit Hours This introductory course will familiarize students with popular data mining methods for extracting knowledge from data. Principles of data mining will be presented and discussed while students acquire hands-on experience using state-of-the-art data mining software. The course will be delivered from both a technological view and a marketing/management view. Topics and related methods discussed in the class include: data mining processes and knowledge discovery, database support to data mining, associations, classifications and prediction, clustering, recommendation systems and developing issues in data mining. **Prerequisites:** STAT 500 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 695 - Topics In Management Information Systems Individual Readings

(1 to 3) Credit Hours **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 700 - Management of Technology

(2) Credit Hours This course examines the systems and technology involved in the production of goods and the delivery of services. The focus is on the use of information and technology to influence the design, operation, and control of productive systems to enhance competitive advantages. Topics covered include analysis of current information and assessment of an organization's value discipline, strategic use of information and operations systems, and trends in information technology development. Pre-requisite: Admission to the Executive MBA program. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Exec. Master of Bus. Admin **Levels:** Graduate *Williams College of Business Management Information Systems*

INFO 903 - Systems of Operations & Technology

(3) Credit Hours The study of the issues, methods, information, and technology involved in the creation and use of information systems in a corporate environment. The focus is on the manager's influence on the design, operation, control, and communication ability. Current organizational systems and technology are evaluated. Case studies are used extensively as the content for individual and team activities. The course explores the implications created by technology as we continue to move into an information-based economy. Pre-requisite: All business skills and foundation courses. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

ITAL 101 - Elementary Italian I

(3) Credit Hours An introduction to basic language skills through emphasizing the acquisition of high frequency vocabulary and development of cultural awareness. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

ITAL 102 - Elementary Italian II

(3) Credit Hours A continuation of ITAL 101. **Prerequisites:** Undergraduate level ITAL 101 Minimum Grade of D or Placement - Italian 102 **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

ITAL 201 - Intermediate Italian I

(3) Credit Hours A continuation of ITAL 102 with a particular emphasis on the development of more creative use of the language. **Prerequisites:** Undergraduate level ITAL 102 Minimum Grade of D or Placement - Italian 201 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

ITAL 202 - Intermediate Italian II

(3) Credit Hours A communicative-oriented course emphasizing reading and writing skills through a study of authentic materials dealing with Italian culture. **Prerequisites:** Undergraduate level ITAL 201 Minimum Grade of D or Placement - Italian 202 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

ITAL 258 - Language & Culture in Italy

(3) Credit Hours This communicative course will provide students participating in the Xavier summer program in Rome with an opportunity to use their language skills in context as well as learn and use other high-frequency structures and vocabulary. Through conversational practice, vocabulary building, and task completion, students will build on their language and skills and cultural knowledge of Italy while being able to communicate more comfortably in everyday situations. The class will also have the opportunity to discuss culturally relevant themes while reinforcing new grammar and vocabulary through the reading of short stories, articles, and essays. This course does not count towards language credits in the undergraduate core curriculum. **Prerequisites:** ITAL 102 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

ITAL 300 - Advanced Italian I

(3) Credit Hours This course is designed for students who have completed intermediate-level studies of Italian. It will increase vocabulary and communicative ability and fluency through the use of grammar review and usage, in-class conversational activities and presentations, the reading of authentic texts, and writing on a variety of topics. Grammar will be reviewed and practiced in context, focusing on seven communicative functions of language: describing, comparing, recommending and expressing opinions, talking about the past, expressing likes and dislikes, making hypotheses, and talking about the future. **Prerequisites:** Undergraduate level ITAL 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

ITAL 301 - Advanced Italian II

(3) Credit Hours This upper-level course emphasizes a strengthening of the skills of listening, speaking, reading, and writing in Italian through conversational activities, vocabulary building, and reading of authentic texts. The course will focus on improving conversation skills and will include a review of advanced grammar structures. **Prerequisites:** Undergraduate level ITAL 300 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

JAPN 101 - Elementary Japanese I

(3) Credit Hours An introduction to basic language skills such as reading and writing hiragana, katakana, and about 30 kanji. Emphasizes the acquisition of high-frequency vocabulary and practical conversation. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

JAPN 102 - Elementary Japanese II

(3) Credit Hours The second semester elementary course which is a continuation of JAPN 101. Emphasizes listening and situational conversation. **Prerequisites:** Undergraduate level JAPN 101 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

JAPN 201 - Intermediate Japanese I

(3) Credit Hours The first semester intermediate course which is a continuation of JAPN 102 with a particular emphasis on the development of more creative use of the language. **Prerequisites:** Undergraduate level JAPN 102 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

JAPN 202 - Intermediate Japanese II

(3) Credit Hours A communicative-oriented course integrating the skills of reading, writing, listening, and speaking situational, functional Japanese through the study of authentic materials. The course includes a comprehensive grammar review. **Prerequisites:** Undergraduate level JAPN 201 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

JAPN 300 - Advanced Japanese I

(3) Credit Hours An upper-division course that is a continuation of JAPN 202 in that it builds on the basic language skills of listening, speaking, reading, writing and cultural understanding along with an intensive study of grammar. **Prerequisites:** Undergraduate level JAPN 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

JAPN 301 - Advanced Japanese II

(3) **Credit Hours** An upper-division course which emphasizes listening, speaking, reading, writing and culture with development of advanced structures. Requires permission of instructor. **Prerequisites:** Undergraduate level JAPN 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

LATN 101 - Elementary Latin I

(3) **Credit Hours** The ancient Latin language. Syntax, vocabulary, and morphology. The skills necessary to read Latin. **Levels:** Undergraduate *College of Arts and Sciences Classics*

LATN 102 - Elementary Latin II

(3) **Credit Hours** A continuation of LATN 101 with readings from simpler Latin texts. **Prerequisites:** Undergraduate level LATN 101 Minimum Grade of D or Placement - Latin 102 **Levels:** Undergraduate *College of Arts and Sciences Classics*

LATN 111 - Intensive Elementary Latin I

(3) **Credit Hours** An accelerated introduction and review of the ancient Latin language syntax, vocabulary, and morphology. The skills necessary to read Latin. **Prerequisites:** Placement - Latin 111 **Levels:** Undergraduate *College of Arts and Sciences Classics*

LATN 112 - Intensive Elementary Latin II

(3) **Credit Hours** For students who have had six hours of college level Latin , or its equivalent. Selected, short readings from Vergil with an emphasis on intensive grammar review. **Prerequisites:** Undergraduate level LATN 111 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Classics*

LATN 201 - Intermediate Latin I: Prose

(3) **Credit Hours** For students who have had six hours of college level Latin, or its equivalent. Short readings from various Latin prose authors and genres. **Prerequisites:** Undergraduate level LATN 102 Minimum Grade of D or Placement - Latin 102 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 202 - Intermediate Latin II: Poetry

(3) **Credit Hours** For students who have had six hours of college level Latin or its equivalent. Selected short readings from Vergil with an emphasis on intensive grammar review. **Prerequisites:** Undergraduate level LATN 201 Minimum Grade of D or Placement - Latin 202 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 211 - Cicero: Orations

(3) **Credit Hours** A critical reading of selections from the orations. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 212 - Vergil: Aeneid

(3) **Credit Hours** A comprehensive, critical, and in depth reading of the Aeneid. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 231 - Horace: Odes and Epodes

(3) **Credit Hours** Reading and study of the majority of the shorter poems. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 232 - Catullus

(3) **Credit Hours** Examination and explication of his poems. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 241 - Latin Prose Composition

(3) **Credit Hours** Intensive grammar instruction through composition into Latin from English. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Literarue - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 253 - Livy

(3) **Credit Hours** A critical reading of selections from the Histories, the main source for the history of the Roman Republic. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 263 - Caesar

(3) **Credit Hours** Readings from the de Bello gallico and de Bello civili. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 273 - Cicero: Letters

(3) **Credit Hours** An examination of the society and history revealed through Cicero's private correspondence. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 283 - Cicero: Essays

(3) **Credit Hours** A critical reading of the importance of Cicero's contribution to the history of philosophy through his essays. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 293 - Horace Satires and Epistles

(3) **Credit Hours** Reading and study of Horace's longer poems, which wittily upbraid contemporary Roman society. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 311 - History of Ancient Rome

(3) **Credit Hours** An intensive introduction to the history of Rome from the early Republican period to the rise of Christianity, relying upon a reading of primary sources. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 321 - Roman Comedy

(3) **Credit Hours** Selections from Plautus and Terence with a view to their influence on Renaissance and modern comedy. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 331 - Lucretius

(3) **Credit Hours** Detailed reading of selections from Lucretius' philosophical epic poem. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 341 - Tacitus

(3) **Credit Hours** A critical reading of selections from the Annales, the main source for the history of the early Roman Empire. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Literature - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 351 - Roman Satire

(3) Credit Hours Translation and comparison of selections from the satirical works of Varro, Horace, Seneca, Persius, and Juvenal. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Course Attributes:** Literature - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 361 - History of Latin Literature

(3) Credit Hours A final Latin course meant to be a summation and synthesis of the achievement of Latin literature. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 371 - Medieval Latin

(3) Credit Hours Students will closely read and translate Latin texts from the close of antiquity to around 1400. A review of the basics of Latin grammar empirically, analyzing the language and style of each text and attending to variations in usage and vocabulary in "medieval" Latin. **Prerequisites:** Undergraduate level LATN 202 Minimum Grade of D **Restrictions:** Must be enrolled in one of the following Degrees: Honors Bachelor of Arts **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 397 - Special Study: Prose

(3) Credit Hours Credit and content by arrangement. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 398 - Special Study: Poetry

(3) Credit Hours Credit and content by arrangement. **Restrictions:** Must be assigned one of the following Student Attributes: University Scholar PPPU & HNAB Honor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

LATN 399 - Honors Bachelor of Art Capstone Thesis

(1 to 3) Credit Hours Credit and content by arrangement. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

MATH 105 - Fundamentals of Mathematics

(3) Credit Hours Integers, rational numbers, exponents, order of operations. Functions in context, and their algebraic and graphical representation. Linear and quadratic equations. Introduction to the graphing calculator. This course does not count toward the core requirement in mathematics. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 113 - Mathematics of Finance

(3) Credit Hours Simple and compound interest, discounting, annuities, amortization and sinking funds, stocks, bonds, insurance. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 115 - Topics in Applied Mathematics

(3) Credit Hours Topics in the application of elementary mathematics to real world problems: management science, voting schemes, theory of games, population growth, other models. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 116 - Elementary Statistics

(3) Credit Hours Description of sample data. Simple probability, theoretical distributions, normal and binomial estimation. Tests of hypotheses, correlation, regression. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 120 - Elementary Functions

(3) Credit Hours Graphs and properties of functions, including polynomial functions, exponential functions, logarithmic functions, inverse functions and composition of functions. Applications to real world situations using algebraic, numerical, and graphical methods. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 125 - Mathematical Perspectives

(3) **Credit Hours** Exploration of easily accessible, engaging, and thematically connected mathematical ideas as a vehicle to lead students to experiences that are characteristic of the mathematical enterprise. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 147 - Calculus from Historical Perspective

(3) **Credit Hours** An overview of concepts from differential and integral calculus through excerpted readings in English translation of original texts which emphasizes connections with developments in science and philosophy. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 150 - Elements of Calculus I

(3) **Credit Hours** Modeling data with polynomial functions, exponential functions, and logistic functions. Rates of change and the derivative. Application of the derivative including optimization and inflection points. Result of cumulative change and the definite integral. **Prerequisites:** (Course or Test: MATH 120 Minimum Grade of D May be taken concurrently.) **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 151 - Elements of Calculus II

(3) **Credit Hours** Modeling with trigonometric functions, functions of several variables, contour maps, partial derivatives, and optimization with and without constraints. **Prerequisites:** Undergraduate level MATH 150 Minimum Grade of D or Placement - Math 151 **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 154 - Milestones in Mathematics

(3) **Credit Hours** Charts milestones in various branches of mathematics through the reading of original sources: number theory, infinity, Euclidean and non-Euclidean geometry, and algebra are all possible threads of development. **Prerequisites:** Undergraduate level MATH 120 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 156 - General Statistics

(3) **Credit Hours** Descriptive statistics, basic probability, normal distribution, confidence intervals, regression, correlation, hypothesis tests, and analysis of categorical data. **Prerequisites:** MATH 120 or Placement - Math 120 or MATH 150 or MATH 170 **Restrictions:** May not be enrolled in one of the following Colleges: Williams College of Business **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 158 - General Statistics II

(3) **Credit Hours** Building upon the introductory material presented in MATH 156 (or equivalent), this is a second course in statistical methods and data analysis. The course objectives are: 1) To study in detail the distinctions between observational studies and controlled experiments, the questions they can address and what types of statistical methods are appropriate for analyzing them 2) To learn some basic statistical tools used to analyze data, such as: 2 sample t-tests, analysis of categorical data and Goodness-of-Fit tests, multiple comparison procedures, multiple regression, analysis of variance (ANOVA), nonparametric methods (such as the randomization test and the rank-sum test), and log transformations 3) To get hands-on experience analyzing data and computing with data (using R) 4) To gain experience in interpreting the results of a statistical analysis and communicating the results to others. **Prerequisites:** Undergraduate level MATH 156 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 169 - Precalculus

(3) **Credit Hours** This is a study of linear, polynomial, rational, exponential, logarithmic, and trigonometric functions from symbolic, graphical, and numerical perspectives. Topics include algebraic and analytic properties of functions; sums, differences, products, quotients, and composites of functions; inverse functions; and functions as models. **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 170 - Calculus I

(4) **Credit Hours** Limits and continuity. Transcendental functions. The derivative, techniques of differentiation, and applications of the derivative. Parametric equations. The definite integral, numerical integration, antiderivatives, and method of substitution. **Prerequisites:** Undergraduate level MATH 169 Minimum Grade of D or Placement - Math 170 or Graduate level EDMS 999 or Placement - Math 170 **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 171 - Calculus II

(4) **Credit Hours** Numerical integration, applications of the definite integral, techniques of integration, and improper integrals. Taylor polynomials. Sequences and series. Polar coordinates. **Prerequisites:** Undergraduate level MATH 170 Minimum Grade of D or Placement - Math 171 or Graduate level EDMS 999 **Levels:** Undergraduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 201 - Foundations of Arithmetic for Early Childhood Teachers

(3) **Credit Hours** Concepts necessary for understanding the structure of arithmetic and its algorithms (with whole numbers, integers, fractions and decimals), number patterns, and introductory probability and statistics. **Restrictions:** Must be enrolled in one of the following Programs: Master of Education BS in Education areas **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 202 - Geometry & Measurement -ECED

(3) **Credit Hours** Concepts necessary for an understanding of basic geometry: shapes in one, two, and three dimensions, scientific measurement and dimensional analysis, congruence and similarity of figures, compass and straightedge constructions, transformations, and coordinate geometry. Use of computer software to explore geometric concepts. **Restrictions:** Must be enrolled in one of the following Programs: Master of Education BS in Education areas Must be enrolled in one of the following Majors: Early Childhood Education Elementary Education Montessori Education **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 211 - Foundation of Arithmetic for Middle Childhood Teachers

(3) **Credit Hours** Concepts necessary for understanding the structure of arithmetic, its algorithms and properties (with whole numbers, integers, rational and irrational numbers), basic set theory and introductory number theory. **Restrictions:** Must be enrolled in one of the following Programs: Master of Education BS in Education areas **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 212 - Geom & Measurement MCED

(3) **Credit Hours** Concepts necessary for an understanding of basic geometry: shapes in one, two, and three dimensions, scientific measurement and dimensional analysis, congruence and similarity of figures, compass and straightedge constructions, transformations, coordinate geometry, conjecture and proof, perspective drawing and introductory trigonometry. Use of computer software to explore geometric concepts. **Restrictions:** Must be enrolled in one of the following Programs: Master of Education BS in Education areas **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 213 - Algebra Concepts -MCED

(3) **Credit Hours** Development of algebraic problem solving, polynomials, linear, quadratic and exponential equations and functions, pattern representation, sequences and series. Use of technology and manipulative materials in the teaching of algebra. **Restrictions:** Must be enrolled in one of the following Programs: Master of Education BS in Education areas **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 214 - Math Problem Solving -MCED

(3) **Credit Hours** Problem solving, drawing from a wide range of school mathematics topics, logic, combinatorics, and basic probability theory. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 220 - Calculus III

(4) **Credit Hours** Vectors, lines and planes. Functions of several variables, partial derivatives and applications, gradient and directional derivative. Multiple integrals, line integrals, Green's Theorem. **Prerequisites:** Undergraduate level MATH 171 Minimum Grade of D or Placement - Math 220 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 225 - Foundations Of Higher Mathematics

(3) **Credit Hours** Propositional and predicate logic; methods of proof, including direct approaches, contradiction, contraposition, mathematical induction; sequences, recursion, recurrence relations; set theory; functions and relations. Primary emphasis on proof-writing. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 230 - Differential Equations

(3) **Credit Hours** Modeling with ordinary differential equations. Analytical, qualitative, and numerical techniques for first-order equations, first-order nonlinear systems, and linear systems. **Prerequisites:** Undergraduate level MATH 171 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 240 - Linear Algebra

(3) **Credit Hours** Systems of linear equations, Gaussian elimination, echelon forms, basic and free variables, algebraic structure of solutions; vector arithmetic, partitioning of matrices, invertibility; linear transformations and their matrices, LU and PLU factorization; vector spaces and subspaces, bases, coordinates, dimension, rank; change of basis and similarity of matrices; determinants, cofactor expansion, elementary matrices, Cramer's Rule; eigenvectors and eigenvalues, the characteristic equation; diagonalization; inner products, length and orthogonality of vectors, projections, the Gram-Schmidt process. Additional topics may include the dual space, linear functionals, least squares approximation, QR factorization, Riesz' Representation Theorem, the Principal Axis Theorem, the Spectral Theorem. **Prerequisites:** Undergraduate level MATH 225 Minimum Grade of D or Undergraduate level MATH 180 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 256 - Intro to Probability & Statistics

(3) **Credit Hours** Introduction to probability, descriptive statistics, the central limit theorem, estimation, hypothesis testing, regression and correlation, goodness of fit and linear models. **Prerequisites:** Undergraduate level MATH 171 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 300 - History of Mathematics

(3) **Credit Hours** Some of the highlights in the historical development of mathematics with special attention given to the invention of non-Euclidean geometry and its importance for mathematics and Western thought. **Prerequisites:** (Undergraduate level MATH 220 Minimum Grade of D and Undergraduate level MATH 240 Minimum Grade of D) or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 301 - Survey of Geometries

(3) **Credit Hours** Axiom systems, models and finite geometries, convexity, transformations, Euclidean constructions, and the geometry of triangles and circles. Introduction to projective and non-Euclidean geometries. **Prerequisites:** Undergraduate level MATH 225 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 302 - Theory of Numbers

(3) **Credit Hours** Divisibility and primes, linear congruences, quadratic residues and reciprocity. Diophantine equations, multiplicative functions, distribution of primes. **Prerequisites:** Undergraduate level MATH 240 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 303 - Mathematical Logic

(3) **Credit Hours** Axiomatic development of propositional calculus, functional complete sets of operators, axiomatic development of the first order function calculus, the existential operator, the algebra of logic. **Prerequisites:** Undergraduate level MATH 225 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 311 - Probability

(3) **Credit Hours** Sample spaces, basic axioms of probability, conditional probability and independence, Bayes' theorem, random variables, expectation and variance, discrete and continuous distributions, central limit theorem. **Prerequisites:** Undergraduate level MATH 171 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 312 - Statistical Inference

(3) **Credit Hours** Parameter estimation, sufficient statistics, maximum likelihood principle, confidence intervals, hypothesis testing, linear regression, nonparametric methods, analysis of variance, simulation. **Prerequisites:** Undergraduate level MATH 256 Minimum Grade of D or Undergraduate level MATH 311 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 316 - Cryptology

(3) Credit Hours In this course we will be exploring cryptology - the making and breaking of secret ciphers and codes. We will start with classical ciphers: shift, affine, Vigenere, substitution, Hill, one-time pads, Enigma, etc. Then after a brief introduction to number theory, we will start on modern methods: the RSA algorithm, DES, and AES: Rijndael. If time permits, we will also explore discrete logarithms and elliptic curves. All codes will be placed in historical perspective by exploring the political and military contexts in which they were devised, through readings in The Code Book. **Prerequisites:** Undergraduate level MATH 225 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 321 - Numerical Analysis

(3) Credit Hours Accuracy, function evaluation and approximation, systems of linear equations, nonlinear equations, numerical differentiation and integration, and solutions to differential equations. **Prerequisites:** Undergraduate level MATH 230 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 325 - Mathematical Modeling

(3) Credit Hours The synthesis, formulation and solution of various problems in applied mathematics and related fields. **Prerequisites:** Undergraduate level MATH 230 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 330 - Graph Theory

(3) Credit Hours Graphs, subgraphs, trees, isomorphism, Eulerian and Hamiltonian paths, planarity, digraphs, connectivity, and chromatic number. Other topics may be included. **Prerequisites:** Undergraduate level MATH 225 Minimum Grade of D or Graduate level EDMS 999 or Undergraduate level MATH 180 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 340 - Abstract Algebra I

(3) Credit Hours Groups, isomorphism, homomorphism, normal subgroups, rings, ideals, fields. **Prerequisites:** (Undergraduate level MATH 225 Minimum Grade of D or Undergraduate level MATH 180 Minimum Grade of D) and Undergraduate level MATH 240 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 341 - Abstract Algebra II

(3) Credit Hours A continuation of MATH 340. Topics may include Boolean algebra, lattice theory, combinational group theory, coding theory, Galois theory, commutative rings. **Prerequisites:** Undergraduate level MATH 340 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 360 - Elementary Topology

(3) Credit Hours Metric spaces, topological spaces, continuity, convergence, compactness, connectedness, and separation axioms. **Prerequisites:** Undergraduate level MATH 240 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 370 - Real Analysis

(3) Credit Hours Rigorous development of calculus of functions of a single variable. The real number system, topology of the real line, continuity, uniform continuity, the derivative, the Riemann integral, sequences and series of real numbers, and uniform convergence. **Prerequisites:** (Undergraduate level MATH 225 Minimum Grade of D or Undergraduate level MATH 180 Minimum Grade of D) and Undergraduate level MATH 220 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 372 - Applied Analysis

(3) Credit Hours Special functions, orthogonal sets of functions. Sturm-Liouville theory. Partial Differential Equations. Fourier series, integrals and transforms. **Prerequisites:** Undergraduate level MATH 230 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 380 - Complex Variables

(3) **Credit Hours** Complex numbers, analytic functions, complex integration, series representation of analytic functions, the calculus of residues. **Prerequisites:** (MATH 225 or MATH 180) and MATH 220 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 391 - Mathematics Seminar I

(1) **Credit Hours** Juniors (MATH 391) and seniors (MATH 393) meet together in the spring semester: students will read selections from the mathematical literature, explore how to write mathematics effectively, learn how to use technical word processing tools, practices how to communicate mathematical ideas and give oral presentations. **Restrictions:** Must be enrolled in one of the following Majors: Mathematics **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 392 - Mathematics Seminar 2

(1) **Credit Hours** Each senior will meet with a faculty advisor to work on an individual research project. **Restrictions:** Must be enrolled in one of the following Majors: Mathematics **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 393 - Mathematics Seminar 3

(1) **Credit Hours** The student will write a paper and give a formal presentation describing the project developed during MATH 392. **Restrictions:** Must be enrolled in one of the following Majors: Mathematics **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MATH 397 - Special Reading & Study for Advanced Students

(3) **Credit Hours** Credit by special arrangement. **Prerequisites:** Undergraduate level MATH 210 Minimum Grade of D and Undergraduate level MATH 220 Minimum Grade of D and Undergraduate level MATH 230 Minimum Grade of D and Undergraduate level MATH 340 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Mathematics and Computer Science*

MDLN 101 - Elementary Twi I

(3) **Credit Hours** An introduction to basic language skills through emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness. This course is offered ONLY to participants in the Service Learning Program in Ghana and will be offered only in Ghana. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

MDLN 102 - Elementary Twi II

(3) **Credit Hours** Continuing basic language skills through emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness. This course is offered ONLY to participants in the Academic Service Learning Program in Ghana and will be offered only in Ghana. **Prerequisites:** Undergraduate level MDLN 101 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

MEDT 100 - Medical Technology Clinical Program Summer

(12) **Credit Hours** Clinical program consisting of lectures, laboratory experience and patient contact in a hospital laboratory. Students spend a total of twelve months gaining experience as student medical technologists studying the various clinical laboratory sciences. **Levels:** Undergraduate *College of Arts and Sciences Biology*

MEDT 200 - Medical Technology Clinical Program Fall

(12) **Credit Hours** Clinical program consisting of lectures, laboratory experience, and patient contact in a hospital laboratory. Students spend a total of twelve months gaining experience as student medical technologists studying the various clinical laboratory sciences. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 300 - Medical Technology Clinical Program Spring

(12) **Credit Hours** Clinical program consisting of lectures, laboratory experience and patient contact in a hospital laboratory. Students spend a total of twelve months gaining experience as student medical technologists studying the various clinical laboratory sciences. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 450 - Introduction Medical Lab Science

(0) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 451 - Introduction to Medical Lab Science - Lab

(0) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 453 - Urinalysis

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 455 - Clinical Microscopy/Urinalysis

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 457 - Clinical Chemistry

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 461 - Hematology & Hemostasis

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 463 - Hematology & Coagulation

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 465 - Hematology

(0) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 471 - Medical Microbiology

(7) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 473 - Clinical Microbiology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 475 - Medical Bacteriology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 481 - Serology

(0) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 483 - Toxicology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 484 - Laboratory Management

(12) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 485 - Medical Mycology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 486 - Renal Function

(4) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 487 - Immunology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 489 - Diagnostic Parasitology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 491 - Mycology & Virology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 493 - Clinical Pathology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 495 - Immunohematology

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MEDT 499 - Individual Study

(3) **Credit Hours** **Levels:** Undergraduate, Graduate *College of Arts and Sciences Biology*

MGMT 300 - Managerial Behavior

(3) **Credit Hours** Lectures, cases, and experiential exercises are used to introduce the management functions of planning, organizing, staffing, leading, improving and controlling. **Restrictions:** May not be enrolled as the following Classifications: Freshman **Course Attributes:** Social Science - Univ Core **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 301 - Managerial Communications

(2) **Credit Hours** Essentials of communicating effectively in business with accent on career communication skills. **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 302 - Quality & Product in Operations

(3) **Credit Hours** An introduction to quality and operations topics and management science techniques. Topics include goals of service and production operations, optimization, project scheduling, simple quality tools, inventory models, simulation, supply chain management, and waiting line models. Continual improvement of operations is stressed. **Prerequisites:** (Undergraduate level INFO 200 Minimum Grade of D or Undergraduate level INFO 301 Minimum Grade of D) and (Undergraduate level MATH 156 Minimum Grade of D or Undergraduate level STAT 210 Minimum Grade of D) **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 303 - Co-Op Education/Management: Jr

(3) Credit Hours An elective cooperative experience where students earn academic credit while performing approved management-related work experience. Students must have 55 credit hours completed, 2.75 GPA, departmental approval required. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 305 - Creativity & Innovation

(3) Credit Hours Covers the framing processes and techniques individuals, groups, and organizations can use to enhance creativity and innovation. **Prerequisites:** Undergraduate level MGMT 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 309 - Change Management

(3) Credit Hours Theory and design of organizational systems, organizational performance, culture, development, and change. **Prerequisites:** Undergraduate level MGMT 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 310 - Teamwork & Team Building

(3) Credit Hours Analysis of forces controlling group formulation and development in business and organizational work situations. Techniques for analyzing and productively managing informal groups. **Prerequisites:** Undergraduate level MGMT 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 314 - Leadership

(3) Credit Hours An analysis of various theories and approaches to leadership emphasizing team building and situational leadership. The course includes skill development, experiential activities, theoretical constructs, and guest speakers who are leaders in a variety of settings. **Prerequisites:** Undergraduate level MGMT 300 Minimum Grade of D **Course Attributes:** Gender & Diversity Studies Min **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 321 - Industrial-Organizational Psychology

(3) Credit Hours Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement, and practical application are emphasized. **Prerequisites:** Undergraduate level MGMT 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 325 - International Management

(3) Credit Hours The purpose of this course is to create a framework for understanding competitive positioning of organizations, human resource and cultural issues related to international management. Lectures and country projects, discussion group projects, and guest speaker visits. **Prerequisites:** Undergraduate level MGMT 300 Minimum Grade of D and Undergraduate level ECON 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 385 - Project Management

(3) Credit Hours The purpose of this course is to prepare students to plan, organize, lead, participate in, control, and improve projects, via lectures, cases, and participation in real-life projects. **Prerequisites:** Undergraduate level MGMT 302 Minimum Grade of D and Undergraduate level MGMT 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 403 - Co-Op Education/Management: Sr

(3) Credit Hours An elective cooperative experience where students earn academic credit while performing approved management-related work experience. Student must have 55 credit hours completed, 2.750 GPA, departmental approval required. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 410 - Quality Planning & Improvement

(3) Credit Hours A comparison of modern approaches to quality. In quality planning, product and process are developed to satisfy customers. In quality improvement, both organization-wide and process improvements are studied. Quality function deployment and management planning tools are used.

Prerequisites: Undergraduate level STAT 200 Minimum Grade of D and Undergraduate level MGMT 302 Minimum Grade of D **Levels:** Undergraduate
Williams College of Business Management and Entrepreneurship

MGMT 495 - Strategic Management

(3) **Credit Hours** This course creates a process which enables students to develop the ability to integrate business function courses, such as marketing, finance, accounting, economics, and management. Via lectures, case studies, group projects and individual assignments, students learn and design strategies for sustainable competitive advantage for all types of organizations in various stages of growth in domestic and foreign markets. **Prerequisites:** (Undergraduate level ACCT 200 Minimum Grade of D and Undergraduate level MKTG 300 Minimum Grade of D and Undergraduate level MGMT 300 Minimum Grade of D) and (Undergraduate level ENTR 305 Minimum Grade of D and Undergraduate level ENTR 311 Minimum Grade of D) or (Undergraduate level MGMT 309 Minimum Grade of D and Undergraduate level MGMT 385 Minimum Grade of D) **Restrictions:** Must be enrolled in one of the following Majors: Entrepreneurial Studies Human Resources Management Must be enrolled in one of the following Classifications: Senior **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 499 - Tutorial Course: Senior Level

(3) **Credit Hours** Research in scholarly journals on a management topic of current import. Open to students only with consent of instructor. **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

MGMT 500 - Managerial Behavior & Skills

(2) **Credit Hours** This course seeks to improve the interpersonal skills that are required to be an effective colleague/manager/leader. Topics include key interpersonal, team, and diversity management skills, observation and identification of behaviors, strengths and areas for improvement with respect to interpersonal, team, and diversity management skills, as well as self-understanding of individual and areas for improvement, and demonstration of competency with respect to managerial skills. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 600 - Strategy and Organizations

(3) **Credit Hours** This course will provide a broad overview to students of the field of management by covering topics related to strategy development and implementation such as business level strategy, cooperative strategies, corporate strategies and international strategies. Also covered in this course are organizational behavior topics such as teams, reward and control systems, organizational systems and organizational change. **Prerequisites:** Graduate level MGMT 500 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 601 - Operational Analysis

(3) **Credit Hours** This course will provide thorough introduction to the concepts and skills needed to understand the role of operations in the success of an organization, to lead efforts and make appropriate decisions in the operations functions of their organizations, and to analyze and improve various business processes. This course specifically aims at improving analytical working skills. **Prerequisites:** (Graduate level MGMT 500 Minimum Grade of C) and (Graduate level STAT 500 Minimum Grade of C) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 611 - Managerial Communications

(1 to 3) **Credit Hours** Essentials of communicating effectively in business with accent on career communication skills. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 614 - Principles of Leadership

(3) **Credit Hours** An overview and analysis of a variety of theories and approaches to leadership emphasizing team building and leadership lecturers. Skill building and the development of a personal theory of leadership will be emphasized. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 615 - Values Based Leadership Pract

(2) **Credit Hours** Develops: knowledge of basic concepts related to business management, an ethical perspective of American business environment, an ability to define leadership values within an ethical perspective, and professional leadership values that can withstand workplace challenges. **Restrictions:** Must be enrolled

in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 622 - Executive Practices

(3) **Credit Hours** Designed to have the student distill from experience and study a personal leadership style. This style is then practiced in teams that research and discuss cultural variables affecting management in various countries. **Prerequisites:** MGMT 600 and MGMT 601 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 625 - Multinational Management

(3) **Credit Hours** Using core business functions, students learn to analyze the global environment in which firms compete and design strategies for sustainable competitive advantage in foreign markets. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 633 - Global Supply Chain Mgmt

(3) **Credit Hours** This is a graduate level management course offered to provide students with a practical, stimulating learning experience on strategic insights and tactical skills for designing and improving global supply chains, with an emphasis on problem-solving skills and international perspectives. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 641 - Managing New & Growing Venture

(2) **Credit Hours** Develops understanding as to why some ventures (new and/or existing) achieve their goals, grow, and attract resources while others stagnate or go bankrupt. Business simulations, interactive multimedia programs, guest speakers, and field trips will be used to accomplish course objectives. **Prerequisites:** MGMT 600 and MGMT 601 and FINC 600 and MKTG 600 and (ACCT 600 or ACCT 601) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 644 - Motivation & Behavior in Organ

(3) **Credit Hours** Role of motivation in performance within organizations, various concepts of motivation, leadership, and group interaction are studied, with emphasis on research findings. **Prerequisites:** MGMT 600 and MGMT 601 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 646 - Performance Assessment

(3) **Credit Hours** Examines theory of performance assessment in organizations, purpose of assessment, formal and informal methods of data collection and measurement, creation of standards of performance, judgmental processes, rater goals and motivation, and measures of error and accuracy in assessment. Includes individual, group/team organizational levels of analysis, fit of measurement systems to organizational culture and societal context in which the organization operates. Perceptions of fairness and ethical/moral issues are also covered. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 650 - Strategic Quality Mgmt

(3) **Credit Hours** This course provides a thorough introduction to the core concepts and principles of quality management from an upper level management perspective. Various quality management philosophies are explored. In addition, students will investigate the contributions of other prominent individuals and examples of current practices from successful organizations. **Prerequisites:** MGMT 600 and MGMT 601 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 653 - Quality Certification

(3) **Credit Hours** This course covers the requirements of the different types of quality certification (ISO 9000, etc.) and the process that an organization goes through to achieve this goal. Organizations that have recently achieved certification will be used as examples. Each student will prepare a feasibility study detailing what it would take for an organization of their choice to receive an appropriate kind of quality certification. **Restrictions:** Must be enrolled in one of the following

Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 654 - Project Management

(3) **Credit Hours** The purpose of this course is to prepare students to plan, organize, lead, participate in, control, and improve projects. **Prerequisites:** MGMT 600 and MGMT 601 **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 677 - Mental Health Organiz Systems

(2) **Credit Hours** This course is designed to expose students to the responsibilities of management in directing the activities of mental health organizations. Its goal is to provide an understanding of the primary models and theories used in managing organizations,& to assist students in preparing a response to an RFP for managed mental health services. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 695 - Individual Reading & Research

(1 to 3) **Credit Hours** Open to especially qualified students with the consent of the chair of the department and the dean. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 744 - Motivation & Behavior in Organizations

(4) **Credit Hours** The focus is on the analysis of individual and group behavior to ensure the effective development of human resources within an organization. The intent is to develop practical application of behavioral science theory for solving human problems. Topics include motivation to work, perception and expectation in organizations, behavior management, the change process, team building, group functioning, and leadership. The first segment of the course is the Venture Out program conducted at Joyo Outdoor Education Center in Morrow, Ohio. This overnight, weekend experience allows students to analyze and develop leadership abilities and team participation skills. The concepts explored at Venture Out are integrated into the course. Pre-requisite: Admission to the Executive MBA program. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business Must be enrolled in one of the following Majors: Management **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 901 - Managing Organizational Systems

(2) **Credit Hours** Develops an understanding of organizations as dynamic evolving systems. **Prerequisites:** Graduate level MGMT 902 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 902 - Interpersonal Skills

(2) **Credit Hours** Developing interpersonal skills, including self-assessment, listening, business writing, oral communications, interviewing, and small group meeting proficiency. **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MGMT 903 - Operations Management

(2) **Credit Hours** Understand the concepts and tools needed to control and improve the operations function. Develop skills in resolving problems and improving quality and productivity, gathering and analyzing data and making decisions in an increasingly global environment. **Prerequisites:** (Course or Test: STAT 500 Minimum Grade of C May not be taken concurrently.) or (Course or Test: STAT 801 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

MILS 101 - Leadership and Personal Development

(1) **Credit Hours** Detailed examination of the unique duties and responsibilities of the commissioned Army Officer. Includes discussion of the organization and role of the Army, a review of basic life skills pertaining to fitness and communications and an analysis of Army values and expected ethical behavior and an introduction to leadership. **Levels:** Undergraduate *College of Social Sciences, Health and Education Military Science*

MILS 102 - Freshman Leadership Lab I

(1) **Credit Hours** Military courtesy, customs and traditions of the service, development of self-confidence, drill and ceremonies, physical training, rappelling, rifle marksmanship training, and other basic skills. **Levels:** Undergraduate *College of Social Sciences, Health and Education Military Science*

MILS 103 - Introduction to Tactical Leadership

(1) **Credit Hours** Presents fundamental leadership concepts and doctrine. Opportunities to practice basic skills that underlie effective problem solving and apply active listening and feedback skills. Examine the officer experience and those factors that influence leader and group effectiveness. **Levels:** Undergraduate *College of Social Sciences, Health and Education Military Science*

MILS 104 - Freshman Leadership Lab II

(1) **Credit Hours** Military courtesy, customs and traditions of the service, development of self-confidence, drill and ceremonies, physical training, rappelling, rifle marksmanship training, and other basic skills. **Levels:** Undergraduate *College of Social Sciences, Health and Education Military Science*

MILS 201 - Innovative Team Leadership

(3) **Credit Hours** this course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. The focus continues to build on developing knowledge of leadership values and attributes through understanding Army rank, structure, and duties as well as broadening knowledge of land navigation and squad tactics. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 202 - Sophomore Leadership Lab I

(1) **Credit Hours** Functions and responsibilities of junior Noncommissioned Officers with particular attention devoted to the continued development of leadership potential. Drill and ceremony, map reading, physical training, leadership reaction, and practical field experiences are stressed. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 203 - Foundations of Tactical Leadership

(3) **Credit Hours** This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). This course highlights dimensions of terrain analysis, patrolling, and operations orders. Students develop a greater self awareness as they assess their own leadership styles and practice communication and team building skills. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 204 - Sophomore Leadership Lab II

(1) **Credit Hours** Functions and responsibilities of junior Noncommissioned Officers with particular attention devoted to the continued development of leadership potential. Drill and ceremony, map reading, physical training, leadership reaction, and practical field experiences are stressed. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 299 - Leadership Training

(4) **Credit Hours** If eligible, students may apply to the chair. Six weeks of paid summer ROTC training at Fort Knox, Kentucky. Camp graduates are eligible to enter the ROTC advance course. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 301 - Adaptive Tactical Leadership

(3) **Credit Hours** The student is challenged to study, practice and evaluate adaptive team leadership skills in preparation for the Leader Development and Assessment Course. Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 302 - Junior Leadership Lab I

(1) **Credit Hours** Designed to develop leadership potential by participation in the planning and conducting of training, development of personnel management skills and by emphasizing the functions, duties, and responsibilities of Commissioned Officers and Noncommissioned Officers. Physical training and preparation for the summer advance camp are emphasized. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 303 - Leadership in Changing Environments

(3) **Credit Hours** Probes leader responsibilities that foster an ethical command climate. Develops cadet leadership competencies and prepares them for success at the National Advanced Leadership Camp. Recognize leader responsibilities to accommodate subordinate spiritual needs. Apply principles and techniques of effective written and oral communications. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 304 - Junior Leadership Lab II

(1) **Credit Hours** Designed to develop leadership potential by participation in the planning and conducting of training, development of personnel management skills and by emphasizing the functions, duties and responsibilities of Commissioned Officers and Non-commissioned Officers. Physical training and preparation for the summer advance camp are emphasized. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 399 - Leader Development Assessment

(4) **Credit Hours** This training is conducted at Fort Lewis, Washington and normally takes place in the summer following the junior year. This internship is five weeks in duration and oriented on the execution of Advanced Military Tactics, Cadet Leadership ability, and physical endurance. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 401 - Developing Adaptive Leaders

(3) **Credit Hours** Builds on National Advanced Leadership Camp experience to solve organizational and staff problems. Discuss staff organization, functions, and processes. Analyze counseling responsibilities and methods. Examine principles of subordinate motivation and organizational change. Apply leadership and problem solving principles to a complex case study. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 402 - Senior Leadership Lab I

(1) **Credit Hours** Emphasizes the functions, duties and responsibilities of junior Army Officers with special attention directed toward developing advanced leadership potential, personal communications (oral and written) skills and through active participation in the planning and conduct of training. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 403 - Leadership in a Complex World

(3) **Credit Hours** Capstone course designed to explore topics relevant to second lieutenants entering the Army. Describe legal aspects of decision-making and leadership. Analyze Army organization for operations from tactical to strategic level. Assess administrative and logistics management functions. Discuss reporting and PCS process. Perform platoon leader actions. Examine leader responsibilities that foster an ethical command climate. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 404 - Senior Leadership Lab II

(1) **Credit Hours** Emphasizes the functions, duties, and responsibilities of junior Army Officers with special attention directed toward developing advanced leadership potential, personal communications (oral and written) skills and through active participation in the planning and conduct of training. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MILS 499 - Directed Study

(1 to 3) **Credit Hours** Open to especially qualified students with the consent of the department chair. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Military Science*

MKTG 300 - Principles of Marketing

(3) **Credit Hours** Marketing involves exchanges. The activities involved in marketing products, services, and ideas are examined within a framework of customer management are explored. Topics include global marketing environment, market analysis and segmentation, consumer behavior, product development and management, pricing, promotion, and distribution. Marketing is examined from its role as a central function of business and non-profit organizations, and from its dominant role in a market economy. Prerequisite for upper division courses unless waived by department chair. **Course Attributes:** Social Science - Univ Core **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 302 - Marketing Research

(3) Credit Hours Marketing research, methodologies, and managerial utilization of research findings. **Prerequisites:** (Course or Test: STAT 500 Minimum Grade of C May not be taken concurrently.) or (Course or Test: STAT 801 Minimum Grade of C May not be taken concurrently.) **Levels:** Undergraduate
Williams College of Business Marketing

MKTG 303 - Internship / Marketing Senior

(3) Credit Hours An elective cooperative experience where students earn academic credit while performing approved marketing-related work. Student must have 55 credit hours completed, 2.750 GPA, department approval required. **Prerequisites:** Undergraduate level MGMT 301 Minimum Grade of D **Levels:** Undergraduate
Williams College of Business Marketing

MKTG 310 - Business to Business Marketing

(3) Credit Hours Dynamics of marketing from a business to a business. Buyer behavior and market structure are analyzed in the context of the 4Ps. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 320 - International Marketing

(3) Credit Hours Conditions peculiar to international marketing of goods and services and their effects on marketing strategy. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 325 - Marketing Services

(3) Credit Hours The marketing of services will be explored with special emphasis on how they differ from packaged and industrial goods. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 329 - Data Mining

(3) Credit Hours The students will receive an introduction to the basic theory, tools and techniques of data mining, including prediction, associations, clustering, and recommendation systems. The course will be delivered from two points of view: the technological view and the marketing management view. The students will use data mining tools when doing their team projects for customer relationship management. The teams will experience the implementation of these algorithms on real data. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 330 - Retail Marketing

(3) Credit Hours Retailing is the largest industry and the dominant employer in the U.S. economy. The industry is explored, with particular emphasis on understanding the activities of retailers, both large and small. Topics include shopper behavior, store location, store layout, product presentation, and customer service. The criteria for success in retailing, the impact of technology on retailing, and the retail process examined within the larger domain of marketing. Beneficial to all marketing and business majors, as well as others engaged in shopping activities. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 340 - Marketing and the Supply Chain

(3) Credit Hours Of the four Ps of marketing, ?place? (channels) is a particularly important source of competitive advantage. Marketing channels involve the processes and organizations by which products and services are made available for consumption. An overview of the supply chain and marketing channels of distribution is presented with the objective of understanding the various ways marketing channels are designed, developed, managed, and maintained. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of D **Restrictions:** Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 345 - Integrated Marketing Communications

(3) Credit Hours This course is a study of integrated marketing communications planning, strategies and procedures that allow companies to build brand relationships and value with customers. This course will examine the role of various communication functions, major media and promotional alternatives and the process of integrating these options in order to develop long term profitable brand relationships. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 355 - Product Development

(3) Credit Hours Focuses on new products as a major source of corporate growth. Included are such topics as: identification of new business opportunities; the stages of new product development; risk assessment and reduction. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 357 - E-Commerce

(3) Credit Hours In order for business students to really understand e-commerce, they must understand the relationships among e-commerce business organizations, the role of Internet technologies and the social and legal context of e-commerce. This course will develop the guidelines necessary for the planning and implementation of a successful e-commerce strategy applicable for a wide variety of organizations. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 361 - Professional Selling

(3) Credit Hours Dynamics of selling and techniques of persuasive leadership. Explores selling as a profession through multiple channels. Relationship selling and customer relationship management. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 370 - Consumer Behavior

(3) Credit Hours Marketing strategy implications of consumer behavior. Provides a basic understanding of the major concepts and theories in consumer decision making and behavior. Considers psychology and other social sciences as they contribute to the understanding of these notions. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 375 - Customer Relationship Management

(3) Credit Hours The goal of this course is to provide exposure to the techniques and technologies of customer relationship management (CRM). The course will explore examples of customer relationship management that work - and those that don't. The student will come to appreciate the many uses of CRM, from actively developing a following of profitable customers to turning non-profitable customers away in cost-savings maneuvers. **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 390 - Ethical Issues in Marketing

(3) Credit Hours Current developments in consumerism and consumer protection. Ecology, social responsibility, and ethical issues. Governmental roles. Pre-requisite: MKTG 300 (Grade "C" or better). **Prerequisites:** Undergraduate level MKTG 300 Minimum Grade of C **Course Attributes:** Social Science - Univ Core **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 399 - Tutorial in Marketing: Junior Level

(2 to 3) Credit Hours Research, meeting, and attendance at scheduled lectures as determined by the advisor. Permission of the chair and dean required. **Levels:** Graduate *Williams College of Business Marketing*

MKTG 403 - Co-Op Education/Marketing: Sr

(3 to 6) Credit Hours An elective cooperative experience where students earn academic credit while performing approved marketing-related work experience. Student must have 55 credit hours completed, 2.750 GPA, departmental approval required. **Prerequisites:** Undergraduate level MKTG 301 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 491 - Marketing Practicum

(3) Credit Hours Designed for undergraduate students participating in non-paid internships, the goals and objectives of these internships and course approval are the responsibility of the chair. **Levels:** Graduate *Williams College of Business Marketing*

MKTG 495 - Marketing Planning & Analysis

(3) Credit Hours Developing and applying marketing strategy in a simulated business environment. Student must have completed: FINC 300 and nine hours of upper division marketing courses. **Prerequisites:** Undergraduate level FINC 300 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 499 - Tutorial in Marketing: Senior Level

(1 to 3) **Credit Hours** Research, meeting, and attendance at scheduled lectures as determined by the advisor. Permission of the chair and dean required. **Levels:** Undergraduate *Williams College of Business Marketing*

MKTG 500 - Marketing Concepts

(2) **Credit Hours** Marketing involves changes. The activities involved in marketing products, services, and ideas are examined within a framework of customer management are explored. Topics include global marketing environment, market analysis and segmentation, consumer behavior, product development and management, pricing, promotion, and distribution. Marketing is examined from its role as a central function of business and non-profit organizations, and from its dominant role in a market economy. **Restrictions:** Must be enrolled in one of the following **Levels:** Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Marketing*

MKTG 600 - Marketing Strategy

(3) **Credit Hours** The strategic planning process as it applies to marketing management, current literature and techniques. **Prerequisites:** Graduate level MKTG 500 Minimum Grade of C **Levels:** Graduate *Williams College of Business Marketing*

MKTG 602 - Marketing Research

(3) **Credit Hours** Methods and techniques of marketing research; its use as a tool of management; cases in marketing research. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following **Levels:** Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Marketing*

MKTG 621 - Entrepreneurial Marketing

(3) **Credit Hours** Understand the challenges and acquire the skills and information needed to maximize marketing results with minimal marketing resources. **Prerequisites:** MKTG 600 **Restrictions:** Must be enrolled in one of the following **Levels:** Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 626 - Multinational Marketing

(3) **Credit Hours** Product decisions, pricing decisions, and channel decisions in the world market environment. Stresses cultural differences. **Prerequisites:** Graduate level MKTG 901 Minimum Grade of C or Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following **Levels:** Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 629 - Integrated Mktg Communications

(3) **Credit Hours** This course is a study of integrated marketing communications planning, strategies and procedures that allow companies to build brand relationships and value with customers. This course will examine the role of various communication functions, major media and promotional alternatives and the process of integrating these options in order to develop long term profitable brand relationships. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following **Levels:** Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Marketing*

MKTG 630 - Service Marketing

(3) **Credit Hours** The principles, practice, and scope of service marketing are explored. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following **Levels:** Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 632 - E-Commerce

(3) **Credit Hours** E-commerce is creating new electronic markets where prices are transparent, markets are global, and trading is highly efficient. It is having a direct impact on an organization's relationship with suppliers, customers, competitors, and their partners, as well as how organizations market products, advertise, and their brand strategy. This course examines successful and unsuccessful e-commerce strategies among contemporary organizations. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following **Levels:** Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Marketing*

MKTG 640 - Consumer-Centric Category Management

(3) **Credit Hours** Category Management is a discipline that maximizes the partnership between a retailer and manufacturer. Numerous consumer insights metrics and their use in the sales and marketing processes are examined. A large online consumer panel is utilized to reinforce classroom instruction and provide for consumer understanding in launching a new product. **Prerequisites:** (Course or Test: MKTG 600 Minimum Grade of C May not be taken concurrently.) or (Course or Test: MKTG 901 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 660 - Selling & Sales Mgmt

(3) **Credit Hours** Explore dimensions of selling as a marketing function and the application of theories of management to the selling function within organizations. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 661 - Marketing Management

(3) **Credit Hours** Application of marketing concepts and theory to actual situations via case method. Individual reports and presentations. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 663 - Business to Business Mktg

(3) **Credit Hours** Problems of marketing industrial products. Management of the marketing channels and pricing, selling, and distribution of the products. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 664 - Consumer Behavior Theory

(3) **Credit Hours** Evaluation of research findings from behavioral sciences and other disciplines. Relationship to marketing. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 665 - Customer Relationship Management

(3) **Credit Hours** The goal of this course is to provide exposure to the techniques and technologies of customer relationship management (CRM). The course will explore examples of customer relationship management that work - and those that don't. The student will come to appreciate the many uses of CRM, from actively developing a following of profitable customers to turning non-profitable customers away in cost-savings maneuvers. **Prerequisites:** Undergraduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Marketing*

MKTG 668 - Product Planning & Development

(3) **Credit Hours** The entire process of new product development from idea generation to commercialization is developed. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 670 - Ethical Issues in Marketing

(3) **Credit Hours** Current developments in marketing as related to social issues: consumerism, social responsibility, ethical issues, and governmental roles. **Prerequisites:** Graduate level MKTG 600 Minimum Grade of C **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 680 - Intro Data Mining for Managers

(3) **Credit Hours** This introductory course will familiarize students with popular data mining methods for extracting knowledge from data. Principles of data mining will be presented and discussed while students acquire hands-on experience using state-of-the-art data mining software. The course will be delivered from both a technological view and a marketing/management view. Topics and related methods discussed in the class include: data mining processes and knowledge discovery, database support to data mining, associations, classifications and prediction, clustering, recommendation systems and developing issues in data mining.

Prerequisites: (Course or Test: STAT 500 Minimum Grade of C May not be taken concurrently.) or (Course or Test: STAT 801 Minimum Grade of C May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 695 - Individual Readings & Research

(2 or 3) **Credit Hours** Open to especially qualified students with the consent of the chair of the appropriate department and dean. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Master of Business Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 700 - Marketing Strategy

(4) **Credit Hours** This course provides grounding in marketing, emphasizing marketing strategy formulation and implementation in light of the organization's objectives. There is an emphasis on using analytical approaches to make marketing decisions. Pre-requisite: Admission to the Executive MBA program. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Degrees: Exec. Master of Bus. Admin **Levels:** Graduate *Williams College of Business Marketing*

MKTG 801 - Marketing Concepts

(2) **Credit Hours** Marketing involves changes. The activities involved in marketing products, services, and ideas are examined within a framework of customer management are explored. Topics include global marketing environment, market analysis and segmentation, consumer behavior, product development and management, pricing, promotion, and distribution. Marketing is examined from its role as a central function of business and non-profit organizations, and from its dominant role in a market economy. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Marketing*

MOCT 501 - Creative & Systematic Inquiry I

(3) **Credit Hours** Methodology and evidence-based decision making related to quantitative research. Culminates in the writing of proposal for graduate research project. Includes grant writing, ethical ramifications of research, scientific reasoning process and professional writing for dissemination. Includes reflective components regarding lifelong responsibility for maintaining expertise in evidence-based practice. Pre-requisite: HOCS concentration. Co-requisite: MOCT 503, MOCT 505, and MOCT 507 **Co-requisites:** MOCT 503, MOCT 505, MOCT 507 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 503 - Technology for Life Participation II

(2) **Credit Hours** Examines the influence of environmental and contextual factors on occupational performance. Describes impact of legislation and public policy on architectural, physical and attitudinal barriers to participation. reviews service delivery models in occupational therapy including assessment and modification of the environment and application of accommodations to enhance work, home and community participation. Applies principles of universal design, accessible design, and ergonomics. Includes introduction to vocational and industrial rehabilitation. Pre-requisite: HOCS concentration. Co-requisite: MOCT 501, MOCT 505, and MOCT 507 **Co-requisites:** MOCT 501, MOCT 505, MOCT 507 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 505 - Techniques & Tools for Occupational Therapy Process

(3) **Credit Hours** Introduction to professional and technical knowledge and skills for practice. Overview of occupational therapy process and therapeutic tools for practice: therapeutic use of self; teaching-learning process; measurement tools. Includes review of documentation and ethical ramifications and pertinent evidence in literature. Pre-requisite: HOCS concentration. Co-requisite: MOCT 501, MOCT 503, and MOCT 507 **Co-requisites:** MOCT 501, MOCT 503, MOCT 507 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 507 - Professional Issues I

(2) **Credit Hours** Overview of state, national, and international professional organizations and regulatory authorities; select AOTA official documents; principles of professional behavior. Emphasis on intraprofessional codes of ethics and introduction to interprofessional codes of ethics. Includes development of ethical reasoning. Pre-requisite: HOCS concentration. Co-requisite: MOCT 501, MOCT 503, and MOCT 505. **Co-requisites:** MOCT 501, MOCT 503, MOCT 505 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 601 - Graduate Research Project I

(2) **Credit Hours** Implementation of approved research proposal with data gathering according to professional and ethical standards. Continuation of reflective process. Includes initial writing of the final paper. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507. Co-requisite: MOCT 603, MOCT 605, MOCT 607, MOCT 609, MOCT 611. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C **Co-requisites:** MOCT 603, MOCT 605, MOCT 607, MOCT 609, MOCT 611 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 603 - Domains & Process I: Birth to Early Adult

(6) **Credit Hours** Combination lecture and lab; covers scope of occupational therapy process according to Occupational Therapy Practice Framework from birth through young adult age group at individual, group, community, and society levels. Content includes evaluation of occupational performance and interventions for health promotion, prevention, and remediation. Clinical reasoning and evidence based practice are used throughout. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507. Co-requisite: MOCT 601, MOCT 605, MOCT 607, MOCT 609, MOCT 611. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C **Co-requisites:** MOCT 601, MOCT 605, MOCT 607, MOCT 609, MOCT 611 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 605 - Adaptation & Technology for Occupational Participation I

(2) **Credit Hours** Introduces assistive technology practice in occupational therapy and provides overview of technology and adaptations to facilitate occupational participation for birth-young adult population related to productivity, restoration, and relaxation. Includes service delivery models, scope of practice, funding strategies, documentation and public policies influencing the acquisition and ethical use of assistive technologies. Emphasis on client centered and occupation based intervention principles. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507. Co-requisite: MOCT 601, MOCT 603, MOCT 607, MOCT 609, MOCT 611 **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C **Co-requisites:** MOCT 601, MOCT 603, MOCT 607, MOCT 609, MOCT 611 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 607 - Level I Fieldwork: Domains & Process I

(1) **Credit Hours** Student assigned to practice site reflective of birth-young adult age group for a minimum of 70 hours during semester. Includes seminar to discuss settings and service delivery, inter- and intra-disciplinary team relationships, referral to specialists and relevant ethical issues. Supervisory relationships explored, professional behavior developed and self-reflection continues. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507. Co-requisite: MOCT 601, MOCT 603, MOCT 605, MOCT 609, MOCT 611. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C **Co-requisites:** MOCT 601, MOCT 603, MOCT 605, MOCT 609, MOCT 611 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 609 - Theoretical Foundation & Clinical Reasoning

(3) **Credit Hours** Overview of how theory is developed and importance of theoretical foundation in occupational therapy practice. Reviews current major theoretical foundations and frames of reference across the lifespan. Emphasis on clinical reasoning for decision making in practice. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507. Co-requisite: MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 611. **Co-requisites:** MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 611 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 611 - Professional Issues II

(3) **Credit Hours** Administrative, managerial, leadership, and supervisory realms of OT practice reviewed including relevant ethical ramifications. Includes program planning and evaluation; supervisory roles and responsibilities; marketing and advocacy strategies; reimbursement and documentation; and policy of various service delivery models and the resultant influence on community and on occupational therapy practice. Overview of federal, state and local policy influencing practice. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507. Co-requisite: MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 609. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C **Co-requisites:** MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 609 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 631 - Graduate Research Project II

(2) **Credit Hours** Culmination of graduate research project. Student analyzes and interprets data and writes final paper according to professional standards. Paper is disseminated via oral presentation and poster presentation. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507, MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 609, MOCT 611. Co-requisite: MOCT 633, MOCT 635, MOCT 637, MOCT 641. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C and Graduate level MOCT 601 Minimum Grade of C and Graduate level MOCT 603 Minimum Grade of C and Graduate level MOCT 605 Minimum Grade of C and Graduate level MOCT 607 Minimum Grade of C and Graduate level MOCT 609 Minimum Grade of C and Graduate level MOCT 611 Minimum Grade of C **Co-requisites:** MOCT 633, MOCT 635, MOCT 637, MOCT 641 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 633 - Domains & Process II: Early Adult through Elderly

(6) **Credit Hours** 6) Combination lecture and lab; covers scope of OT process according to Occupational Therapy Practice Framework for young adult through elderly age group at individual, group, community, and society levels. Content includes evaluation of occupational performance and interventions for health promotion, prevention, and remediation. Clinical reasoning and evidence-based practice are used throughout. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507, MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 609, MOCT 611. Co-requisite: MOCT 631, MOCT 635, MOCT 637, MOCT 641. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C and Graduate level MOCT 601 Minimum Grade of C and Graduate level MOCT 603 Minimum Grade of C and Graduate level MOCT 605 Minimum Grade of C and Graduate level MOCT 607 Minimum Grade of C and Graduate level MOCT 609 Minimum Grade of C and Graduate level MOCT 611 Minimum Grade of C **Co-requisites:** MOCT 631, MOCT 635, MOCT 637, MOCT 641 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 635 - Adaptations & Techniques for Occupational Participation II

(2) **Credit Hours** Overview of assistive technology and adaptations to facilitate occupational participation for young adult through elderly population related to productivity, restoration, and relaxation. Includes ethical issues, legislation, and advocacy. Emphasis on client-centered and occupation-based intervention principles. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507, MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 609, MOCT 611. Co-requisite: MOCT 631, MOCT 633, MOCT 637, MOCT 641. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C and Graduate level MOCT 601 Minimum Grade of C and Graduate level MOCT 603 Minimum Grade of C and Graduate level MOCT 605 Minimum Grade of C and Graduate level MOCT 607 Minimum Grade of C and Graduate level MOCT 609 Minimum Grade of C and Graduate level MOCT 611 Minimum Grade of C **Co-requisites:** MOCT 631, MOCT 633, MOCT 637, MOCT 641 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 637 - Level I Fieldwork: Domains & Process I

(1) **Credit Hours** Student assigned to practice site reflective of young adult-elderly age group for a minimum of 70 hours during semester. Includes seminar to discuss settings and service delivery, inter- and intra-disciplinary team relationships, referral to specialists, and relevant ethical issues. Supervisory relationships explored, professional behavior developed, and self-reflection continues. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507, MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 609, MOCT 611. Co-requisite: MOCT 631, MOCT 633, MOCT 635, MOCT 641. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C and Graduate level MOCT 601 Minimum Grade of C and Graduate level MOCT 603 Minimum Grade of C and Graduate level MOCT 605 Minimum Grade of C and Graduate level MOCT 607 Minimum Grade of C and Graduate level MOCT 609 Minimum Grade of C and Graduate level MOCT 611 Minimum Grade of C **Co-requisites:** MOCT 631, MOCT 633, MOCT 635, MOCT 641 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 641 - Professional Issues III

(3) **Credit Hours** Evolution of emerging models of health care delivery systems and OT practice settings addressed. Includes entrepreneurship to promote development of OT practice at settings in need and advocacy and marketing to affect change at state, national, and international levels. Review of requirements for professional credentialing at national and state levels. Overview of applied ethics. Pre-requisite: HOCS concentration, MOCT 501, MOCT 503, MOCT 505, MOCT 507, MOCT 601, MOCT 603, MOCT 605, MOCT 607, MOCT 609, MOCT 611. Co-requisite: MOCT 631, MOCT 633, MOCT 635, MOCT 637. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C and Graduate level MOCT 601 Minimum Grade of C and Graduate level MOCT 603 Minimum Grade of C and Graduate level MOCT 605 Minimum Grade of C and Graduate level MOCT 607 Minimum Grade of C and Graduate level MOCT 609 Minimum Grade of C and Graduate level MOCT 611 Minimum Grade of C **Co-requisites:** MOCT 631, MOCT 633, MOCT 635, MOCT 637 **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 691 - Level II Fieldwork

(3) **Credit Hours** Student assigned to a practice facility for a three month time period and functions as an intern on a full time basis under the supervision of a fully credentialed occupational therapist. Pre-requisite: Successful completion of all MOCT courses with a minimum cumulative GPA of 3.000 and permission of department chair. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C and Graduate level MOCT 601 Minimum Grade of C and Graduate level MOCT 603 Minimum Grade of C and Graduate level MOCT 605 Minimum Grade of C and Graduate level MOCT 607 Minimum Grade of C and Graduate level MOCT 609 Minimum Grade of C and Graduate level MOCT 611 Minimum Grade of C and Graduate level MOCT 631 Minimum Grade of C and Graduate level MOCT 633 Minimum Grade of C and Graduate level MOCT 635 Minimum Grade of C and Graduate level MOCT 637 Minimum Grade of C and Graduate level MOCT 641 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MOCT 692 - Level II Fieldwork

(3) **Credit Hours** Student assigned to a practice facility for a three month time period and functions as an intern on a full time basis under the supervision of a fully credentialed occupational therapist. Pre-requisite: Successful completion of all MOCT courses with minimum cumulative GPA of 3.000 and permission of

department chair. **Prerequisites:** Graduate level MOCT 501 Minimum Grade of C and Graduate level MOCT 503 Minimum Grade of C and Graduate level MOCT 505 Minimum Grade of C and Graduate level MOCT 507 Minimum Grade of C and Graduate level MOCT 601 Minimum Grade of C and Graduate level MOCT 603 Minimum Grade of C and Graduate level MOCT 605 Minimum Grade of C and Graduate level MOCT 607 Minimum Grade of C and Graduate level MOCT 609 Minimum Grade of C and Graduate level MOCT 611 Minimum Grade of C and Graduate level MOCT 631 Minimum Grade of C and Graduate level MOCT 633 Minimum Grade of C and Graduate level MOCT 635 Minimum Grade of C and Graduate level MOCT 637 Minimum Grade of C and Graduate level MOCT 641 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Occupational Therapy*

MUSC 100 - Basic Music Theory

(2) **Credit Hours** Introduction to the rudiments of music theory for non-music majors including basic theoretical aspects of music such as notation of pitch, rhythm, scales, etc. Also emphasizes relationship between theoretical concepts and musical context. Credits may not be applied toward a music major. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 101 - Basic Jazz Preparation

(2) **Credit Hours** The preliminary study of basic jazz theory and practices as well as the analysis, study and exercise of scales, chords, and harmonic usage. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 110 - World Music

(3) **Credit Hours** This course explores music as it exists in many cultures, including Africa, India and Latin America. Emphasis is on traditional and popular music. **Course Attributes:** Fine Arts - Univ Core, Gender & Diversity Studies Min **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 111 - Music: The Art of Listening

(3) **Credit Hours** Music Appreciation course which provides information to enable the student to listen more perceptively and to better understand the various elements and aspects of music. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 112 - Music: Now!

(3) **Credit Hours** Covers the wide variety of music experienced in today's world including the rich heritage of music from the past as well as music from the contemporary American musical scene. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 114 - Jazz: American Creative Music

(3) **Credit Hours** Study of the trends and styles, innovators and influential pioneers, and the evolution of the Jazz idiom in the 20th century. **Course Attributes:** Fine Arts - Univ Core, Gender & Diversity Studies Min **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 115 - African-American Music

(3) **Credit Hours** Survey of Black music styles from the 17th to 20th century; emphasis on African roots of this tradition and historical and socio-cultural contexts that give birth to a Black music tradition. **Course Attributes:** Fine Arts - Univ Core, Gender & Diversity Studies Min **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 116 - Women in Music

(3) **Credit Hours** Historical survey of music by or involving women from medieval period to the present. Emphasis on women composers, but includes women as performers, teachers, patrons, and in the jazz and pop fields. **Course Attributes:** Gender & Diversity Studies Min **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 117 - History of Rock

(3) **Credit Hours** Defining Rock broadly as a family of styles, the course presents an overview of rock/pop styles from the 1950s to the present. Beginning with the Blues and proceeding to Rock & Roll and some of its roots, we will survey, among others, styles from Soul, Motown, and the many "rocks" of the 1960s and 70s to more recent trends. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 150 - Class Piano

(1) Credit Hours Group instruction in basic piano techniques. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 151 - Class Voice

(1) Credit Hours Group instruction in the basic techniques of voice production. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 152 - Class Guitar

(1) Credit Hours Group instruction in the basic guitar techniques. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 153 - Stretch Class

(1) Credit Hours This is a study of exercises and movement to music to promote fitness and body control in preparing for dance development. The class combines elements of stretching and strength building exercises using yoga, pilates and ballet. Basic anatomy is covered as a foundation for control of the muscles and bone structure of the body. **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 154 - Dance & Movement - Beginner Tap

(1) Credit Hours Technical aspects of dance through medium of theatrical dance movement. Ideas and movement problems explored through rhythmic, stretching and body strengthening activities. Students with no dance exposure can participate to improve body coordination and natural aptitudes for dance. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 155 - Dance & Movement - Beginner Jazz

(1) Credit Hours Technical aspects of dance through medium of theatrical dance movement. Ideas and movement problems explored through rhythmic, stretching and body strengthening activities. Students with no dance exposure can participate to improve body coordination and natural aptitudes for dance. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 156 - Dance & Movement - Advanced Tap

(1) Credit Hours Continuation of MUSC 154/155. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 157 - Dance & Movement - Advanced Jazz

(1) Credit Hours A continuation of MUSC 154/155. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 158 - Ballet I

(1) Credit Hours Ballet techniques presented and practiced. An introduction to the fundamentals of ballet technique and body mechanics that govern ballet's classical foundation. Designed to establish groundwork for developing proper working patterns, in placement, turnout, breathing and balance. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 159 - Ballet II

(1) Credit Hours This course is a continuation of ballet dancing, (Ballet I, MUSC 158). This discipline challenges the body and the mind. The execution of ballet technique provides exercises, improves posture and promotes grace and coordination. Learning the joy of movement and the appreciation of aesthetic beauty will be emphasized. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 160 - Ballet Intermediate/Advanced

(1) Credit Hours This is a systematic and comprehensive study of classical ballet presented as an exploration of ballet technique in the dance studio. The course outlines the traditional ballet class including work at the barre and center, using combinations and choreography which challenges the mind and body. French terminology will be used. This is a continuation of Ballet II with more advanced steps added. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 162 - Dance Sport

(1) Credit Hours This course is an introduction to the fundamentals of Dance Sport/Ballroom dancing techniques. Students will learn about the history of Couples dancing, as a dance form, emerged in the 15th century Europe as an adaptation of folk dancing and was refined by the dancing masters of the time. The class will study five ballroom dances: Modern Waltz, Tango, Viennese Waltz, Slow Foxtrot, and quickstep, which are danced the world over both socially and in Dance Sport Competitions. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 163 - World Fusion Dance

(1) Credit Hours This course will explore a variety of world dance styles as a means of expression and culture. This will be accomplished through technique instruction, critique of video performances and improvisational exercises. Students will learn dance styles independent of each other, and later learn how styles of dance can be fused together to form an eclectic genre. Each class will begin with a proper stretching followed by technique instruction. Improvisational exercises will be used to enhance students' creativity, and choreographic sensibilities. As the class progresses, students will learn routines which strengthen choreographic phrasing skills. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 170 - Beginning Ballroom Dance: The Classic Five

(1) Credit Hours The course presents American traditional ballroom dance styles as used for social occasions. Instruction will be for dance styles in which the participants move around the floor in a circular pattern and these will be the Waltz, two versions of the Foxtrot, Rumba and Tango. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 171 - Beginning Ballroom Dance II: Rhythm & Latin

(1) Credit Hours The course presents American traditional ballroom dance styles as used for social occasions. Instruction will be for dances in which the participants dance in a given spot and these will be the Lindy, Jive, Jitterbug, two versions of Swing, plus the Bolero, Mambo, and Cha-cha. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate *College of Arts and Sciences Music*

MUSC 200 - Theory I

(3) Credit Hours Study of elements of musical organization; four-part harmonization and analysis. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 201 - Sight-singing & Dictation I

(1) Credit Hours Course is designed to develop the ability to read at sight diatonic progressions, and to identify and notate intervals, scale degrees, tonal relationships and simple rhythms. The course utilizes computer assisted drills. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 202 - Theory II

(3) Credit Hours Continuation of MUSC 200. **Prerequisites:** Undergraduate level MUSC 200 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 203 - Sight-singing & Dictation II

(1) Credit Hours Continuation of MUSC 201. **Prerequisites:** Undergraduate level MUSC 201 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 204 - Jazz Theory I

(2) Credit Hours The advanced study of Jazz styles and techniques in both writing and improvisation with emphasis on analysis, form, history and repertoire. **Prerequisites:** Undergraduate level MUSC 101 Minimum Grade of D or Undergraduate level MUSC 206 Minimum Grade of D or Undergraduate level MUSC 306 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 205 - Jazz Theory II

(2) **Credit Hours** Continuation of MUSC 204. **Prerequisites:** Undergraduate level MUSC 204 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 206 - Techniques of Jazz Improvisation

(2) **Credit Hours** The presentation, examination, practice and exercise of techniques and methods utilized and applied in the execution and performance of improvisational jazz. Includes a summary of theory, form and styles. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 210 - Music History & Literature I

(3) **Credit Hours** This course traces the path of Western music history and literature from antiquity through the end of the Renaissance period. Included in the course are the primary biographical facts for composers, a review of their works, aural identification of works and the social/historical circumstances of each era. Pre-requisite: Majors or Minors only. Fine arts elective. **Restrictions:** Must be enrolled in one of the following Majors: Music Education Music **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 211 - Music History & Literature II

(3) **Credit Hours** This course traces the path of Western music history from the early Baroque period through the end of the Classical Period including the music of Ludwig van Beethoven. Included in the course are the primary biographical facts about composers, a review of selected works, the development of contrasting style, the role played by social/historical forces that influenced these styles, study of selected scores and aural examination of the works studied. Pre-requisite: Majors or Minors only. Fine arts elective. **Course Attributes:** Fine arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 221 - Music Methods for Early & Middle Childhood

(2) **Credit Hours** See music 121. For music majors or with permission of instructor. **Restrictions:** Must be enrolled in one of the following Majors: Music Education Music **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 252 - Advanced Class Guitar

(1) **Credit Hours** Group instruction in guitar techniques for the more experienced guitar student. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 260 - Concert Choir

(1) **Credit Hours** The Concert Choir performs four on-campus concerts per year. In addition, the ensemble tours annually and regularly appears in concert with Cincinnati Pops Orchestra, Cincinnati Baroque Orchestra and in combination with local high schools for a bi-annual high school choral festival. By audition only. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 261 - Xavier University Women's Chorus

(1) **Credit Hours** The Xavier University Women's chorus is designed to be a rewarding challenge for both music majors and non-music majors. The class will consist of weekly rehearsals where everyone's attendance is not just mandatory, but necessary for the success of the ensemble. Most importantly, this class is designed to be a fun musical outlet, which will also expose participants to the fundamentals of choral singing and will open doors to new artistic endeavors. **Course Attributes:** Fine Arts - Univ Core, Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 263 - Edgecliff Vocal Ensemble

(1) **Credit Hours** By audition only-must be in Concert Choir to participate. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 265 - Symphonic Winds

(1) **Credit Hours** The select ensemble performs a wide array of traditional and contemporary literature including the music of Eric Whitacre, Jack Stamp, Krzysztof Penderecki, Aulos Sallinen, David Maslanka, and Ivan Tcherepnin. Past tours have taken the students to such cities as Boston, Chicago, New York, Toronto, and Washington, D.C. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 266 - Chamber Winds

(1) **Credit Hours** A select ensemble consisting of wind, brass, and percussion. Through the study and performance of original works from the 15th to the late 20th century, students will learn ensemble and chamber music skills. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 267 - Percussion Ensemble

(1) **Credit Hours** Performs modern literature as well as arrangements of classical repertoire. The group is open to all students by permission of the instructor. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 268 - Guitar Ensemble

(1) **Credit Hours** Study and performance of music for guitar ensemble from all style periods. Participation with consent of director. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 269 - Chamber Music Ensemble

(1) **Credit Hours** Small ensembles of various instrumental combinations ranging from two to five players. Performance of standard chamber music literature. Participation with consent of instructor. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 270 - Chamber Orchestra

(1) **Credit Hours** The orchestra performs works from the Baroque to the 20th century for strings and other instruments. The orchestra presents concerts each semester, frequently in conjunction with the concert choir. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 271 - Jazz Ensemble

(1) **Credit Hours** Performing all the jazz, funk, rock, and fusion that's fit to play and fun to hear, the jazz ensemble is an elite and contemporary studio jazz band whose repertoire includes custom arrangements and originals from all periods of the jazz spectrum. Appearing at jazz festivals, jazz clubs and other choice venues throughout the Midwest, the jazz ensemble plays authentic jazz for inspired and spirited audiences wherever they perform. **Course Attributes:** Fine Arts - Univ Core, Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 272 - Pep Band

(1) **Credit Hours** The student will learn to rehearse, and perform in a 'professional' manner by taking individual responsibility to properly learn his or her part. Students are required to preform at all assigned games. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 277 - Piano Ensemble

(1) **Credit Hours** Piano Ensemble is an academic course of study designed to advance technical and interpretive skills and to artistically perform ensemble compositions of all styles and periods. Public performance is required. **Course Attributes:** Fine Arts - Univ core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 278 - Private Lesson: Composition

(1) **Credit Hours** Students begin by studying and creating simple musical works in styles that they have some degree of familiarity with. Works for one or two performers and standard instrumentation and voice categories are studied and applied to the new development of the "creative voice within the individual" and encourages the student to continually develop skills in harmony, melody, rhythm and timbre that will enable that voice to be realized in a written composition and live performance. More advanced students will write for more performers and in varied styles and more varied instrumentation and voices. All students are encouraged to experiment and venture into new areas. It is the creation and recreation (musical score or performance) that is emphasized, not just the discovery of new ideas. Students that wish to pursue traditional avenues of musical composition are expected to develop a high degree of craft. The course is open to music majors, music minors, and talented students of music. Majors or Minors only. **Restrictions:** Must be enrolled in one of the following Majors: Music Education Music **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 279 - Independent Study

per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 288 - Private Lesson: Flute

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 289 - Private Lesson: Oboe

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 290 - Private Lesson: Clarinet

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 291 - Private Lesson: Saxophone

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 292 - Private Lesson: Bassoon

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 293 - Private Lesson: French Horn

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 294 - Private Lesson: Trumpet

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 295 - Private Lesson: Trombone

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 296 - Private Lesson: Tuba

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 297 - Private Lesson: Percussion

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 298 - Private Lesson: Jazz Guitar/Voice/Other

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 299 - Private Lesson: Harp

(.5 to 1) Credit Hours All applied music instruction is offered both Fall and Spring semesters and meets the Fine Arts requirements with three semesters of 1 credit each. All students enrolled in Applied Music will be charged an additional fee per semester for private lessons. Students who wish to take a half hour lesson per week (.5 credit) should register for the 01 section of the applied lesson. Students who wish to take a full hour lesson per week should register for the 02 section. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 300 - Theory III

(3) Credit Hours Continuation of MUSC 202 with special emphasis on harmonic developments during the Romantic period (chromaticism, altered chords). **Prerequisites:** Undergraduate level MUSC 202 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 301 - Sightsinging & Dictation III

(1) Credit Hours Advanced sightsinging and ear-training material including sightsinging examples from the standard literature, four part harmonic dictation, and more complex examples of melodic and rhythmic dictation. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 302 - Theory IV

(3) Credit Hours Continuation of MUSC 300. Basic compositional techniques and analysis; twentieth-century harmonic vocabulary. **Prerequisites:** Undergraduate level MUSC 300 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 303 - Sightsinging & Dictation IV

(1) Credit Hours Continuation of MUSC 301. **Prerequisites:** Undergraduate level MUSC 301 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 304 - Producing Electronic Music I

(3) Credit Hours Introduction to hardware and software related to electronic music production, with a focus on music sequencing, digital recording and printing. **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 305 - Producing Electronic Music II

(3) **Credit Hours** Continuation of MUSC 304. Advanced studies in computer based composition, orchestration and synchronization of studio hardware/software for commercial music applications. Additional skills will be developed in computer music engraving, digital mixing and editing and master recording production. **Prerequisites:** Undergraduate level MUSC 304 Minimum Grade of D

Course Attributes: Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 306 - Techniques of Jazz Writing & Arranging

(2) **Credit Hours** The presentation, examination, practice and exercise of techniques and methods applied in the organization and creation of jazz writing and arranging. **Prerequisites:** Undergraduate level MUSC 101 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 307 - Jazz Improvisation Workshop

(2) **Credit Hours** An in-depth application of jazz improvisation styles to the live performance situation with an emphasis on accumulated repertoire. **Prerequisites:** Undergraduate level MUSC 101 Minimum Grade of D or Undergraduate level MUSC 206 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 310 - Music History & Literature III

(3) **Credit Hours** This course traces the path of Western music history from the Romantic period through the end of the Twentieth Century. Included in the course are the primary biographical facts about composers, a review of selected works, the development of contrasting styles, the role played by social/historical forces that influenced these styles, study of selected scores and aural examination of the works studied. For Majors, Minors, Honors only. Fine arts elective. **Prerequisites:** Undergraduate level MUSC 210 Minimum Grade of D and Undergraduate level MUSC 211 Minimum Grade of D **Restrictions:** Must be enrolled in one of the following Majors: Music Education Music **Course Attributes:** Fine Arts - Univ Core **Levels:** Undergraduate, Graduate, Graduate *College of Arts and Sciences Music*

MUSC 319 - Music & Movement for the Classroom Teacher

(1) **Credit Hours** This workshop is designed to integrate music and movement into the classroom connecting to all subjects through the arts. Multi-cultural interdisciplinary in structure and interactive. Class members create materials to use in the classroom to extend learning. This workshop is for arts teaching, movement and physical movement for all ages and special interests. A student and performer of the Dalcroze method will present the work of Dalcroze to develop mind and body coordination. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 320 - Methods for Adolescents & Young Adults I

(3) **Credit Hours** Overview of role, and responsibility of music teacher. Vocal, instrumental, and general music education. (For music majors only) **Restrictions:** Must be enrolled in one of the following Majors: Music Education Music **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 321 - Methods for Adolescents & Young Adults II

(3) **Credit Hours** Emphasis on instrumental and choral methods and materials. Practical guide for the music educator. Pre-requisite: MUSC 320. **Prerequisites:** Undergraduate level MUSC 320 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 340 - Music Production Workshop

(1 to 3) **Credit Hours** An introduction to operatic performance including body movement, vocal and dramatic projection, audition procedures, and the musical and dramatic preparation and performance of operatic repertoire. Permission of instructor. **Course Attributes:** Fine Arts - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 341 - Opera Workshop II

(1 to 3) **Credit Hours** Continuation of MUSC 340. **Prerequisites:** Undergraduate level MUSC 340 Minimum Grade of D **Course Attributes:** Fine Arts - Univ Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 350 - Functional Piano

(2) **Credit Hours** Development of basic skills needed for playing accompaniments and harmonizations at the keyboard. Designed for students who wish to teach school music. Permission of instructor. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 351 - String Techniques

(1) **Credit Hours** Provides an understanding of techniques and teaching strategies of string instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 352 - Woodwind Techniques

(1) **Credit Hours** Provides an understanding of techniques and teaching strategies of woodwind instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 353 - Brass Techniques

(1) **Credit Hours** Provides an understanding of techniques and teaching strategies of brass instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 354 - Percussion Techniques

(1) **Credit Hours** Provides an understanding of techniques and teaching strategies of percussion instruments. Designed for those interested in teaching music, it will lead toward basic performance competence and pedagogy. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 380 - Make and Take K-8 World Musical Instruments

(0 to 2) **Credit Hours** Hands-on workshop building and playing simple musical instruments. No musical or technical skills are required. Designed for the general kindergarten to 8th grade classroom teacher. Along with musical activities creative ways of teaching math, science, history, the visual arts, and multi-cultural awareness will be explored. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 399 - Independent Study

(1 to 3) **Credit Hours** Areas of study related to the music field, although not specifically included in the catalog, may be requested by the student and elected with the approval of the instructor and permission of the chair. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 400 - Form and Analysis

(3) **Credit Hours** Areas of study related to the music field, although not specifically included in the catalog, may be requested by the student and elected with the approval of the instructor and permission of the chair. **Prerequisites:** Undergraduate level MUSC 302 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 401 - Orchestration Arranging

(3) **Credit Hours** The technique of scoring for orchestra, band, and diverse instrumental ensembles. **Prerequisites:** Undergraduate level MUSC 302 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 402 - Composition

(3) **Credit Hours** Introduction to creative writing in simple musical forms. **Prerequisites:** Undergraduate level MUSC 400 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 420 - Conducting I

(3) **Credit Hours** Fundamentals of conducting. Basic techniques, and study of shorter choral and instrumental works. **Prerequisites:** Undergraduate level MUSC 202 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 426 - Foundations of Music Education

(3) Credit Hours A comprehensive study of Music Education: history, philosophy, theory, and practical application. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 427 - Contemporary Approaches in Music Education

(3) Credit Hours Introduction to Orff and Kodaly methodology; curricular innovations for all levels of school music, Pre-K - 12. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

MUSC 479 - Independent Study

(1 to 3) Credit Hours Areas of study related to music field, although not specifically included in the catalog, may be requested by the students and elected with the approval of the instructor and permission of chair. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Music*

NEPL 101 - Elementary Nepali I

(3) Credit Hours An introduction to basic language skills through emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness. This course is ONLY OFFERED to participants in the Service Learning Program in Nepal and will only be offered in Nepal. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

NEPL 102 - Elementary Nepali II

(3) Credit Hours The second semester elementary course with added emphasis on reading and speaking in the target language. This course is ONLY OFFERED to participants in the Service Learning Program in Nepal and will only be offered in Nepal. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

NURS 130 - Ways of Knowing

(3) Credit Hours Introduces the student to nursing as a profession and discipline. Content includes discussion of the roles of the professional nurse, the scope of practice, nursing history, with emphasis on the holism philosophy that emanated directly from Florence Nightingale, professional organizations, and ethical/legal rights the discipline of holistic nursing practice. Curricular concepts introduced include transition, critical thinking, and nurse as an instrument of healing. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Nursing*

NURS 132 - Health and Culture I

(3) Credit Hours Focus on culture and cultural diversity and care as it relates to the universal properties of transition and health and magico-religious traditions are explored related to health-wellness-disease-illness and the psycho-physiology of body, mind, spiritual healing. **Levels:** Undergraduate *College of Social Sciences, Health and Education School of Nursing*

NURS 224 - Nursing Therapeutics I: Assessment

(4) Credit Hours Introduction of theoretical framework for the holistic assessment of clients experiencing developmental transitions. Major components for holistic assessment including physical and psychological growth and development across the life span are discussed. Life style patterns and habits that maintain healthy living are explored. Components of the therapeutic relationship as they relate to the holistic assessment process are introduced. Emphasis on the client as an active partner in the healing interaction. The role of transpersonal human caring and healing is emphasized with therapeutic relationships. The use of complementary/alternative therapies is introduced. Pre-requisites: BIOL 140, BIOL 141, BIOL 142, BIOL 143, SOCI 101, Math elective, NURS 130, NURS 132, 2.500 GPA; Co-requisite: NURS 225, CHEM 150, CHEM 151. **Prerequisites:** Undergraduate level BIOL 140 Minimum Grade of C and Undergraduate level BIOL 141 Minimum Grade of C and Undergraduate level BIOL 142 Minimum Grade of C and Undergraduate level BIOL 143 Minimum Grade of C and (Undergraduate level SOCI 101 Minimum Grade of C or Undergraduate level SOCI 180 Minimum Grade of C) and Undergraduate level NURS 130 Minimum Grade of C and Undergraduate level NURS 132 Minimum Grade of C **Co-requisites:** CHEM 150, CHEM 151, NURS 225 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 225 - Nursing Therapeutics I: Practicum

(2) Credit Hours Introduction of methods of holistic health assessment for clients across the life span. Emphasis is on health assessment, therapeutic communication skills, relationships, the nursing process and self assessment. Emphasis will be on physical assessment and communication skills. Laboratory and beginning field experiences will be provided. Six hours of clinical Practicum weekly. Pre-requisite: NURS 132; Co-requisite: NURS 224. **Prerequisites:** Undergraduate level NURS 132 Minimum Grade of C **Co-requisites:** NURS 224 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 230 - Nursing Therapeutics II

(4) Credit Hours An analysis of holistic nursing therapeutics used with individuals experiencing transitions. Promotive, preventive, and intervention strategies including pharmacology and nutrition and integrative therapies are introduced. The research and theoretical basis for the selection of holistic therapeutics is emphasized. The importance of empowered decision making in selecting appropriate therapeutics to achieve and manage outcomes is discussed. Pre-requisite: NURS 224, NURS 225, CHEM 150, CHEM 151; Co-requisite: NURS 231, BIOL 200, BIOL 201, NURS 364. **Prerequisites:** Undergraduate level NURS 224 Minimum Grade of C and Undergraduate level NURS 225 Minimum Grade of C and Undergraduate level CHEM 150 Minimum Grade of C and Undergraduate level CHEM 151 Minimum Grade of C **Co-requisites:** BIOL 200, BIOL 201, NURS 231, NURS 364 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 231 - Nursing Therapeutics II Practicum

(2) Credit Hours Application of holistic promotive, preventative, and intervenience nursing therapeutics to be used with individuals experiencing transitions in primary, secondary, and tertiary health care settings. Emphasis is on the development of critical thinking through the use of the nursing process, self assessment, and therapeutic communication. Laboratory and field experiences will be provided. Six hours of clinical practicum weekly. Pre-requisite: NURS 224, NURS 225, Co-requisite: NURS 230, NURS 364. **Prerequisites:** Undergraduate level NURS 224 Minimum Grade of C and Undergraduate level NURS 225 Minimum Grade of C **Co-requisites:** NURS 230, NURS 364 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 242 - Physical Assessment/Hispanic Patients

(1) Credit Hours The student will gain experience in the appropriate Spanish, health care-related language in assessing and implementing nursing care for Hispanic patients. Assignments are parallel to the 200 level Nursing courses and designed to promote Hispanic cultural skill as students continue their journey to acquiring cultural competence with Hispanic patients. This course is the first 1 credit hour component of a 3 credit hour nursing elective. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 299 - Lower Division Knowledge & Skill

(1 to 33) Credit Hours Throughout the upper division nursing courses, students' skills and competencies are evaluated for lower division nursing course work. Upon successful demonstration of selected nursing practice behaviors students who are graduates of diploma programs are granted 33 semester credit hours for lower division nursing course work. Students who are graduates of associate degree nursing programs will have 33 semester credits of the lower division nursing courses from their associate degree transcript substituted for the NURS 299 credits on the BSN transcript. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 310 - Independent Study in Nursing

(1 to 3) Credit Hours Opportunity to pursue a topic or project of individual interest. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 320 - Professional Development I

(3) Credit Hours The study of professional nursing and its education and practice as related to the individual nurse. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 325 - Health & Culture II

(3) Credit Hours Focuses on identified cultural groups and how culture influences the values, attitudes, and practices of an individual, family, and group as related to health and caring. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 333 - Health Assessment

(2) Credit Hours Health assessment skills are presented and practiced. Variations for age and culture are included. Family and mental health status assessment tools are used. Six contact hours. Course is open to non-matriculated students. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 342 - Nursing Process & Hispanic Patients

(1) Credit Hours This 1 credit hour course is the third and final component of a 3 credit hour nursing elective focused on Hispanics. The students will make a contextual shift in learning how to apply the nursing process to Hispanic aggregates?rather than Hispanic individuals. Primary, secondary and tertiary levels of

prevention strategies will be a major focus on health-related conditions that are found within this cultural/ethnic aggregate. **Prerequisites:** Undergraduate level NURS 242 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 360 - Adult Transitions

(4) **Credit Hours** Focus on facilitating health outcomes in adults experiencing health-illness transitions in primary, secondary, and tertiary health care settings. Focus on fostering skill in planning, implementing, and evaluating holistic nursing therapeutics used to facilitate health outcomes for adults. The role of the nurse in providing health counseling and education to guide clients in making informed choices for health care is discussed. Twelve hours of clinical practicum weekly. Pre-requisites: NURS 230, NURS 231, NURS 364. Co-Requisite: NURS 361. **Prerequisites:** Undergraduate level NURS 230 Minimum Grade of C and Undergraduate level NURS 231 Minimum Grade of C and Undergraduate level NURS 364 Minimum Grade of C **Co-requisites:** NURS 361 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 361 - Adult Transitions Practicum

(4) **Credit Hours** Application of promotive, preventive, and intervenience holistic nursing therapeutics in adults experiencing health-illness transitions in primary, secondary, and tertiary health care settings. Focus on fostering skill in planning, implementing, and evaluating holistic nursing therapeutics used to facilitate healthy outcomes for adults. Therapeutic presence is emphasized as an essential component of every nursing action. Interventions will assist clients in exploring self-awareness, spirituality, and personal transformation in healing. Twelve hours of clinical practicum weekly. Co-requisite: NURS 360. **Co-requisites:** NURS 360 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 364 - Pathophysiology

(3) **Credit Hours** The relationship of normal body functioning to physiological changes associated with dysfunction of an organ or organ system is discussed. General concepts of disease processes are addressed in order to provide rationale for diagnosis and health illness transitions. Pre-requisites: BIOL 140, BIOL 141, BIOL 142, BIOL 143, CHEM 150, CHEM 151. **Prerequisites:** Undergraduate level BIOL 140 Minimum Grade of C and Undergraduate level BIOL 141 Minimum Grade of C and Undergraduate level BIOL 142 Minimum Grade of C and Undergraduate level BIOL 143 Minimum Grade of C and Undergraduate level CHEM 150 Minimum Grade of C and Undergraduate level CHEM 151 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 370 - Introduction to Nursing Research

(3) **Credit Hours** Focus is on the analysis and utilization of nursing research literature to facilitate holistic nursing care of individuals, families, and communities. The use of the principles and methods of research as a means for developing critical reasoning vital to professional judgment is emphasized. Research is examined for evidence based practices that addresses research findings, the nurse's expertise and patient/family preferences. Discussion entails the importance of dissemination of research findings. Pre-requisites: NURS 230, NURS 231, MATH 116 or MATH 156, or an approved statistics course. **Prerequisites:** Undergraduate level NURS 230 Minimum Grade of C and Undergraduate level NURS 231 Minimum Grade of C and (Undergraduate level MATH 116 Minimum Grade of C or Undergraduate level MATH 156 Minimum Grade of C) **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 372 - Families in Transitions

(4) **Credit Hours** Focus on facilitating holistic healthy outcomes for families experiencing transitions. Family transitions, developmental and situational, through the life-cycle are explored. Issues surrounding health-illness transitions in the family are also discussed. Diversity of family life related to ethnicity/culture is emphasized. The role of the holistic nurse as an educator, consultant, facilitator and partner with the client/s is emphasized. Twelve hours of clinical practicum weekly. Pre-requisites: NURS 230, NURS 231, NURS 364. Co-requisite: NURS 373. **Prerequisites:** Undergraduate level NURS 230 Minimum Grade of C and Undergraduate level NURS 231 Minimum Grade of C and Undergraduate level NURS 364 Minimum Grade of C **Co-requisites:** NURS 373 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 373 - Families in Transitions Practicum

(4) **Credit Hours** Application of promotive, preventive, and intervenience holistic nursing therapeutics to be used with families experiencing transitions. Experiences are provided with families in various stages of development. Skills in assessing, planning, implementing, and evaluating holistic nursing therapeutics for individuals and families are emphasized. Twelve hours of clinical practicum weekly. Co-requisite: NURS 372. **Prerequisites:** Undergraduate level NURS 230 Minimum Grade of C and Undergraduate level NURS 231 Minimum Grade of C and Undergraduate level NURS 364 Minimum Grade of C **Co-requisites:** NURS 372 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 380 - Reclaim Your Joy: Holistic Health

(0 to 1) Credit Hours This workshop guides participants to reclaim their joy by experiencing their own creativity. Participants examine ways to deal with life in a more effective, inventive, and fulfilling manner. Exploration of the four directions of the medicine wheel, guided meditation, shamanic journeying, nature mandalas, and other areas are covered. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 385 - Optimize Your Health & Vitality

(0 to 1) Credit Hours This workshop guides participants in ways to take charge of their health. This course combines eastern and western healing practices and principles to assist participants in maintaining their highest level of wellness. They learn to integrate mind, body, and spirit healing modalities of energy therapy, transformational breath work, guided imagery, shamanic journeying, and herbal and nutritional supplementation to balance and energize their life. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 390 - Leadership & Managing Care

(3) Credit Hours Relates the concepts of management to the management of nursing care. Leadership roles of the nurse in health care delivery system are explored. **Prerequisites:** Undergraduate level NURS 320 Minimum Grade of C and Undergraduate level NURS 325 Minimum Grade of C and Undergraduate level NURS 334 Minimum Grade of C. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 409 - Student Nurse Internship I

(1) Credit Hours The student nurse internship program is a collaborative agreement between Xavier University and cooperating hospitals. The program is designed to provide students with additional socialization into nursing opportunities and clinical practice in either medical-surgical, critical care, obstetrics, emergency care, perioperative care or pediatrics. Following an orientation period, the student will work along with a preceptor for a 36 - 40 hour week commitment for ten weeks. The student works the preceptor's schedule. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 410 - Student Nurse Internship

(3) Credit Hours The student nurse summer internship program is a collaborative agreement between Xavier University and cooperating hospitals. The program is designed to provide students with additional socialization into nursing opportunities and clinical practice in either medical-surgical, critical care, obstetrics, emergency care, perioperative care or pediatrics. Following an orientation period, the student will work along with a preceptor for a 36 - 40 hour week commitment for ten weeks. The student works the preceptor's schedule. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 442 - Nursing & Community Health

(3) Credit Hours Focus on nursing care within the context of community macro systems. Examples of major concepts included are health policy making; aggregated, vulnerable populations; resource accessibility; epidemiology; vital statistics; and world wide concerns. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 443 - Nursing Practice & Application II

(2) Credit Hours Health care management and various nursing roles within communities of increasing complexities. Nursing strategies aimed at disease prevention, promotion and restoration of health will be applied to the management of identified community health problems. Six hours of practicum weekly. Co-requisite: NURS 442. **Co-requisites:** NURS 442 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 445 - Caring for Hispanic Aggregates

(1) Credit Hours The student will gain experience in using appropriate Spanish, health care-related language when applying the nursing process in caring for Hispanic patients. Classroom and experiential assignments are related to 300 level Nursing courses to promote cultural competence in caring for Hispanic patients. **Prerequisites:** Undergraduate level NURS 342 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 450 - Mental Health Nursing

(1) Credit Hours This course will focus on facilitating healthy outcomes in adults experiencing mental health-illness transitions. Information regarding medical, surgical, pharmacological, nutrition, psych/mental health interventions which may be prescribed to assist individuals in achieving optimum mental health outcomes is discussed. Pre-requisite/Co-requisite: NURS 451. **Prerequisites:** Undergraduate level NURS 360 Minimum Grade of C and Undergraduate level NURS 361 Minimum Grade of C and Undergraduate level NURS 370 Minimum Grade of C and Undergraduate level NURS 372 Minimum Grade of C and Undergraduate level NURS 373 Minimum Grade of C **Co-requisites:** NURS 451 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 451 - Mental Health Nursing Practicum

(1) Credit Hours Application of promotive, preventive, and interventive therapeutics in adults experiencing psychiatric mental health illness transitions in primary, secondary, and tertiary health care settings. The course focuses on fostering skill in planning, implementing, and evaluating nursing therapeutics used to optimum mental health outcomes for adults. There will be five hours of clinical practicum per week and pre-assessment. **Co-requisites:** NURS 450 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 460 - Women's Health Issues

(2 to 3) Credit Hours A discussion of the health issues affecting women as individuals and as a group. The influence of the existing health care and social structures on women's treatment and perception of illness will be examined. (Open to non-nursing students.) Elective course. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 465 - Care of the Older Adult

(2 to 3) Credit Hours Emphasis placed on the normal aging process and the continuing development of care of the older adult. Health promotion, prevention, diagnosis and treatment, maintenance, and restoration of individuals in their later years. (Open to non-nursing students.) Elective course. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 466 - Expressions of Hope

(2 to 3) Credit Hours Examines expressions of hope and suffering through art, music, history, and the religious values, beliefs and mysteries that surround the needs of the human spirit. Examination of the relevance of issues of faith, hope and the ethical aspects of personal responsibility in sharing in the needs of others. (Open to non-nursing students.) Elective course. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 468 - From Acupuncture-Zinc: Pain Management

(3) Credit Hours Explores traditional methods of pain management and comfort measures as well as complementary modalities that can be applied to bring about a sense of wellness and calm. (Open to non-nursing students.) Elective course. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 469 - Death: The Universal Experience

(3) Credit Hours Examine current and past issues related to death and dying. Explore pertinent theories on death and dying, and bereavement care provided to clients and families. Applicable, historical and current perceptions and rituals will be discussed, as well as ethical and spiritual issues. (Open to non-nursing majors.) Elective course. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 470 - Community Health Nursing

(3) Credit Hours Emphasis is on the concept of context, the knowledge and transitions required of the nurse to practice community/public health nursing. The student begins to examine the expanding focus of the nursing process in the role of the community health nurse. The significance of primary, secondary and tertiary levels of prevention and the need for health promotion in families, aggregates and communities are addressed. The nature of ethical problems, care of the environment and the role of holistic nursing in health care reform is discussed. Pre-requisites: NURS 360, NURS 361, NURS 370, NURS 372, and NURS 373. Co-requisite: NURS 471. **Prerequisites:** Undergraduate level NURS 360 Minimum Grade of C and Undergraduate level NURS 361 Minimum Grade of C and Undergraduate level NURS 370 Minimum Grade of C and Undergraduate level NURS 372 Minimum Grade of C and Undergraduate level NURS 373 Minimum Grade of C **Co-requisites:** NURS 471 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 471 - Community Health Nursing Practicum

(3) Credit Hours Emphasis is on operationalizing epidemiological concepts with nursing knowledge and skill to offer preventive, health promoting and protective services benefiting aggregates. Pre-requisite: NURS 360, NURS 361, NURS 370, NURS 372, and NURS 373. Co-requisite: NURS 470. **Prerequisites:** Undergraduate level NURS 360 Minimum Grade of C and Undergraduate level NURS 361 Minimum Grade of C and Undergraduate level NURS 370 Minimum Grade of C and Undergraduate level NURS 372 Minimum Grade of C and Undergraduate level NURS 373 Minimum Grade of C **Co-requisites:** NURS 470 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 472 - Care of the Complex Client

(4) Credit Hours This course prepares the student to integrate knowledge from all previous courses in emphasizing the interrelatedness of the mind, body, and spirit in order to assess, plan, implement and evaluate care of the complex client. The various roles of the nurse as a participant within the health care system will be examined. Introduction to health care delivery systems, resource management, and quality improvement will be explored. Pre-requisite: NURS 360, NURS 361, NURS 370, NURS 372, and NURS 373. Co-requisite: NURS 473. **Prerequisites:** Undergraduate level NURS 360 Minimum Grade of C and Undergraduate level NURS 361 Minimum Grade of C and Undergraduate level NURS 370 Minimum Grade of C and Undergraduate level NURS 372 Minimum Grade of C and Undergraduate level NURS 373 Minimum Grade of C **Co-requisites:** NURS 473 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 473 - Care of Complex Client Practicum

(4) Credit Hours This course provides experiences enabling the student to participate in the care of the complex client. Management and coordination of care in various health care settings is emphasized. Holistic assessment, intervention, and evaluation are emphasized. The opportunity to practice as a holistic nurse by honoring the client's journey through truly knowing, partnering, and being present with that client. Twelve hours of practicum weekly. Pre-requisite: NURS 360, NURS 361, NURS 370, NURS 372, and NURS 373. **Prerequisites:** Undergraduate level NURS 360 Minimum Grade of C and Undergraduate level NURS 361 Minimum Grade of C and Undergraduate level NURS 370 Minimum Grade of C and Undergraduate level NURS 373 Minimum Grade of C **Co-requisites:** NURS 472 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 490 - Analysis of Healthcare Information

(3) Credit Hours This course is intended to provide students in healthcare disciplines with a basic knowledge of biostatistical methods utilized in healthcare research. The content of this course will assist the student to utilize these biostatistical methods to analyze and interpret pertinent healthcare research. The healthcare biostatistical methods that will be explored include scales of measurement, presentation of data, measures of central tendency, measures of variability, probability, and descriptive and inferential biostatistical methods. Testing of pertinent healthcare hypothesis and strength of relationships will be explored. Analysis of pertinent healthcare research studies will be conducted. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 496 - Professional Development II

(3) Credit Hours The profession of nursing is examined from a framework of history and social and political change. Standards for professional behavior and the role of professional organizations are included. Career development is discussed. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 498 - Senior Seminar

(3) Credit Hours Taken in the final semester, this course focuses on the student's transition to entry-level practice. An inspection of personal transitions within the practice of nursing is examined. This capstone course allows the student to explore the educational transition of the program and to anticipate the professional transition into practice. Professional responsibilities of the holistic nurse are reviewed. Concepts emphasized relate to the nurse as an instrument of healing engaged in a transpersonal human caring process, self care, care of the environment and the global community. Students will write a scholarly paper. A seminar course to be taken in the last semester. Pre-requisite: NURS 360, NURS 361, NURS 370, NURS 372, NURS 373 and in final semester of program. **Prerequisites:** Undergraduate level NURS 360 Minimum Grade of C and Undergraduate level NURS 361 Minimum Grade of C and Undergraduate level NURS 370 Minimum Grade of C and Undergraduate level NURS 372 Minimum Grade of C and Undergraduate level NURS 373 Minimum Grade of C **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 500 - Health Care Ethics-Nurse Leaders

(3) Credit Hours This foundational course examines ethical frameworks and their significance to the delivery of health care. Ethical dilemmas are analyzed and application made using personal and professional processes of valuing and discernment. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 501 - Theoretical Bases for Nursing Practices

(3) Credit Hours Introduction to the role of theory in knowledge development and its relationship to nursing research, practice, and administration. Critical analysis of selected theoretical models within the discipline of nursing and of theories and concepts from other disciplines as used in nursing. Concepts related to the application of the theoretical concepts in providing holistic care are explored. Examination of the application of models, theories and concepts in nursing practice, administration, and research. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 502 - Nursing Research

(3) Credit Hours Exploration of modes of inquiry for systematic study of the application, use, and evaluation of nursing innovations in clinical practice. Emphasis is placed on the identification and solution of clinical problems through scientific inquiry. Research is examined for evidence based practices which include a

critical review of research studies, nurse's expertise and patient/family preferences. Discussion entails the importance of dissemination of research findings.

Levels: Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 503 - Epidemiology

(3) **Credit Hours** Principles and statistical methods used in the study of the distribution and determinants of injury and disease in human populations are presented for use in the planning, delivery, and evaluation of health services. Resources for epidemiological and biostatistical methods of reasoning for determining predictions about the distribution and determinants of injury and disease found in selected studies related to student's concentration. Pre-requisites: Nursing research course. Open to non-nursing majors. **Prerequisites:** Graduate level NURS 502 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 505 - Health Care Informatics

(3) **Credit Hours** This course is designed to ensure that each student can demonstrate competencies, in basic computer, information management as well as managing and utilizing healthcare data in decision-making. However, the major focus in this course will be directed toward the management of information to improve outcomes of health care. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 520 - School Health Nursing

(3) **Credit Hours** This course is an advanced study of school nursing practice as an emerging complex specialty of community-focused nursing. The emphasis is on effective health care delivery in an educational setting. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 550 - Nursing Perspectives I

(3) **Credit Hours** This course introduces students to nursing as a profession and discipline. Content includes discussion of the roles of the professional nurse, the scope of practice, nursing history with emphasis on the holism philosophy that emanated directly from Florence Nightingale, professional organizations, and ethical/legal responsibilities. Also addressed are introductory concepts of cultural diversity, leadership, holistic nursing and organizational behavior. Curricular concepts introduced include transition, critical thinking, and communication (written and oral) and nurse as an instrument of healing. **Co-requisites:** NURS 502, NURS 553, NURS 554 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 552 - Art & Science of Nursing

(4) **Credit Hours** This course introduces the therapeutic relationship as the holistic foundation for the use of the nursing process as a systematic approach to health promotion and maintenance across the life span. Nursing therapeutics that promote, prevent, or maintain healthy life styles with adults experiencing transitions in diverse populations are analyzed for appropriateness to achieve and manage outcomes. Emphasis on the client as an active partner in the healing process and attentiveness to one's spirit is examined as critical components of healing interaction. The role of transpersonal human caring and healing is emphasized with therapeutic relationships. Concepts discussed are the nurse as an instrument of healing, the psychophysiology of body mind spiritual healing, and the use of complementary/alternative therapies. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 553 - Art & Science of Nursing Practicum

(2) **Credit Hours** This course introduces methods of health assessment for adult clients. Nursing therapeutics is applied to the adult client as it relates to promotion, prevention, and/or maintenance of healthy life styles. **Co-requisites:** NURS 502, NURS 550, NURS 554 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 554 - Essentials of Pathophysiology

(3) **Credit Hours** This course relates normal body functioning to the physiologic changes that occur as the result of disease. The body's ability to compensate to these changes is also addressed. The course focuses on the mechanisms of the underlying disease and the basic concepts of disease processes in order to provide the background for preventative as well as therapeutic health care measures and practices. **Co-requisites:** NURS 502, NURS 550, NURS 553 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 560 - Nursing Perspectives II

(3) **Credit Hours** This course begins the application of the role of the Clinical Nurse Leader in caring for diverse clients across the life span. Principles of leadership, risk assessment, resource management and utilization of data to improve care are discussed. The role of the nurse in providing health counseling and education to guide clients in making informed choices for health care is discussed. Providing culturally competent spiritual care for diverse clients is addressed. **Prerequisites:** Graduate level NURS 550 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 562 - Art and Science of Family Nursing

(4) Credit Hours Theoretical concepts and principles are presented to assist the student to focus on facilitating healthy outcomes for families experiencing transitions. Family transitions, developmental and situational, are explored from this theoretical perspective. Issues surrounding health illness transitions in the family are also discussed. Diversity of family life related to ethnicity/culture is emphasized. The student will be provided the opportunity to assimilate these concepts and principles to apply them to the care provided to families. The role of the holistic nurse as an educator, consultant, facilitator and partner with the client/s is emphasized. **Prerequisites:** Graduate level NURS 501 Minimum Grade of C and Graduate level NURS 502 Minimum Grade of C and Graduate level NURS 550 Minimum Grade of C and Graduate level NURS 553 Minimum Grade of C and Graduate level NURS 554 Minimum Grade of C **Co-requisites:** NURS 563 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 563 - Art and Science of Family Nursing Practicum

(2) Credit Hours Provide students with the opportunity to apply pertinent holistic nursing therapeutics in their professional nursing roles to be used with families experiencing transitions in a variety of healthy care settings. Experiences are provided with families in various stages of development and ethnicity. Skills in assessing, planning, implementing, and evaluating holistic nursing therapeutics for families are emphasized. Pertinent nursing theories and concepts and nursing research are explored to assist the student to collaborate with families in their attempt to accomplish health promotion and maintenance to strive for familial healthy lifestyles to meet basic human needs. **Prerequisites:** Graduate level NURS 501 Minimum Grade of C and Graduate level NURS 502 Minimum Grade of C and Graduate level NURS 550 Minimum Grade of C and Graduate level NURS 552 Minimum Grade of C and Graduate level NURS 553 Minimum Grade of C and Graduate level NURS 554 Minimum Grade of C **Co-requisites:** NURS 562 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 564 - Art and Science of Adult Nursing

(4) Credit Hours This course focuses on the nursing care of adults as they experience health-illness transitions. Special attention will be given to the care of older adults. The course will build on the basic sciences, social sciences, fundamentals of nursing, and pathophysiology to synthesize and critically analyze information needed to provide healthy outcomes for adults. In order to provide holistic care that addresses the individualized human responses to potential or actual alterations in health, medical-surgical, pharmacological, nutritional, and mental health interventions will be discussed. **Prerequisites:** Graduate level NURS 552 Minimum Grade of C and Graduate level NURS 553 Minimum Grade of C **Co-requisites:** NURS 565 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 565 - Art and Science of Adult Nursing Practicum

(2) Credit Hours This course provides students the opportunity to apply knowledge regarding the nursing care of adults experiencing health-illness transitions. Strategies that are promotive, preventative and interventive will be used to advance healthy outcomes for adult clients within a health care setting. The course fosters skill in planning, implementing, and evaluating nursing care with attention to theory guided, best evidence. **Prerequisites:** Graduate level NURS 552 Minimum Grade of C and Graduate level NURS 553 Minimum Grade of C **Co-requisites:** NURS 564 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 610 - Liability Health Care Organization/Profession

(3) Credit Hours This course will provide a framework for understanding the elements of various tort actions in the health care setting, including medical malpractice and wrongful death claims. Application of the elements of various torts to facets of the health professionals' practice will be explored through the examination of applicable statutes, administrative rules and regulations, case law and legislation. The roles of Risk Management, Quality Assurance, and Medical Staff organizations in identifying and developing strategies of prevention of health care losses and performance improvement will be analyzed. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 611 - Med-Lgl Rsrch, Writing & Presn

(2) Credit Hours This course focuses on methods for doing research of the laws and regulations asserting control over the business and profession of medicine and other healthcare providers. The use of informatics in the research of legal principles derived from controversies involving the medical scientific world, the medical professions, pharmaceutical companies, the health care industry and those who use it is addressed. Summarizing facts gathered from a variety of sources including medical records, diagnostic studies and procedures and expert witnesses into written reports for legal interpretation is reviewed. Includes practice in the location, collection, and presentation of data for legal interpretation. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 630 - Organizational Behavior for Nursing Leaders

(3) Credit Hours Administrative theory from a macro perspective including organizational structure, culture, leadership, management functions, and power. Theories and research from nursing and related disciplines will be studied. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 632 - Management Processes - Nursing Leaders

(3) **Credit Hours** Position of the nurse administrator within the complex organizational structure of health care systems (a micro perspective) The role of the nurse administrator in planning, decision making, and change is explored. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 636 - Financial Management for Nursing Management

(2) **Credit Hours** Fiscal accountability: cost accounting, budgeting and cost benefit and effectiveness analysis. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 640 - Foray into Forensic Nursing

(2) **Credit Hours** An exploration into a new specialty area of practice for registered nurses. Forensic role behaviors in several settings will be identified, and the role of the forensic nurse specialist will be introduced. This course will explore practice issues within the subspecialties of sexual assault nurse examiner, child abuse specialist, elder abuse specialist, battered woman specialist, psychiatric forensic examiner, and legal nurse consultant. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 642 - Psycho/Social/Legal Forensics

(2) **Credit Hours** A comprehensive examination of the behavior, emotional responses, and cognitive decision-making of both victims and perpetrators of crime. Elements of victimology as well as the psychosocial ramifications of the criminal act on the person, the family, and the community will be explored. The expanded role of the psychiatric forensic nurse will be explored. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 646 - Violence as a Healthcare Issue

(3) **Credit Hours** This course examines the ethical and legal responsibilities of healthcare providers and agencies working with populations at risk for interpersonal violence. Emphasis will be placed on the forensic role behaviors of the nurse specialist dealing with child abuse, elder abuse, and domestic violence. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 648 - Foundations of Forensic Nursing

(4) **Credit Hours** This course provides an evidenced-based practice (EBP) framework for nursing care of forensic population, their families as well as communities impacted by acts of violence and/or traumatic events. The EBP framework incorporates empirical and theoretical aspects from a multidisciplinary perspective in the planning and delivering nursing care. This course is intended to prepare nursing graduate students for further studies in various clinical roles such as Sexual Assault Nurse Examiner, Forensic Psychiatric Nurse, Legal Nurse Consultant, Forensic Nursing Death Investigator and/or Nurse Coroner. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 650 - Art and Science of Advanced Nursing

(6) **Credit Hours** This course prepares the student to integrate knowledge from all previous courses emphasizing the interrelatedness of the mind, body, and spirit. Emphasis is placed on advanced nursing assessment of the whole person including physiologic, psychological, cultural, social/family, spiritual and quality of life impact due to illness. Acute critical illness, chronic illness, and end of life care models are studied. Emphasis is on preservation of physiologic, psychological, and sociocultural integrity and human dignity of person and families. Evidence-based practice models are used to identify the best practice in the care of the complex client and family. Co-requisite: NURS 651 **Prerequisites:** Graduate level NURS 564 Minimum Grade of C **Co-requisites:** NURS 651 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 651 - Art and Science of Advanced Nursing Practicum

(3) **Credit Hours** This course provides students intense opportunities to collect a comprehensive health history and perform health assessment for individuals from diverse heritages across the lifespan and experience in recording and communicating a comprehensive health history. Students participate in the care of complex clients and manage and coordinate culturally competent client/family care in various health care settings. Holistic assessment, intervention, and evaluation are emphasized. There is opportunity to practice as a holistic nurse by honoring a client's journey through truly knowing, partnering, and being present with that client. Students utilize evidence-based practice to select the best practice in the care of the complex client. Co-requisite: NURS 650. Pre-requisite: NURS 565 **Prerequisites:** Graduate level NURS 565 Minimum Grade of C **Co-requisites:** NURS 650 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 652 - Art and Science of Psychiatric Nursing

(2) **Credit Hours** This course focuses on the holistic assessment, planning and treatment of clients with acute mental illnesses in hospital settings and chronic mental illnesses in community settings. Knowledge, skills and abilities to provide high quality services and high-performance leadership in public mental health that lead to consistency of services across settings for diverse populations is emphasized. Best mental health practice based on rigorous scientific evidence, formal

consensus by a group of experts and quantitative and qualitative research evidence are examined. Co-requisite: NURS 653. Pre-requisite: NURS 562

Prerequisites: Graduate level NURS 562 Minimum Grade of C **Co-requisites:** NURS 653 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 653 - Art and Science of Psychiatric Nursing Practicum

(1) **Credit Hours** Assess holistic mental health care in a variety of settings providing mental health care in the public sector to determine consistency of care, access to and availability of care. Assess clients/families mental health to plan and provide culturally competent care. Evidence - Based Practices salient to persons recovering from mental illness will be stressed during the students' practicum experiences. Students spend 18 hours of practicum over an 11 week period. Co-requisite: NURS 652. Pre-requisite: NURS 563 **Prerequisites:** Graduate level NURS 563 Minimum Grade of C **Co-requisites:** NURS 652 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 654 - Advanced Pharmacology

(2) **Credit Hours** This course assumes the knowledge of basic pharmacology and focuses on advanced pharmacology and the role of the advanced practice nurse in pharmacotherapeutics. Advanced clinical application of drug therapy and concepts relating to the mechanisms of drug actions, interactions, and adverse reactions, including immunologic-idiosyncratic-allergic drug responses. Emphasis is on pharmacotherapeutics and cultural/ethnic considerations. Current pharmacologic research is also incorporated in the course. Pre-requisite: NURS 560 **Prerequisites:** Graduate level NURS 560 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 656 - Advanced Pathophysiology

(2) **Credit Hours** This course is a continuation of NURS 554 Essentials of Pathophysiology. Emphasis is on Advanced Pathophysiology. Bedside problem-solving as it relates to adverse effects and illnesses in persons having acute, chronic and long-term health care problems are discussed. Knowledge of pathophysiology is used to predict illness progression and response to therapy which is used to guide and teach patients and families regarding care. **Prerequisites:** Graduate level NURS 554 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 660 - Adult Learner in Healthcare Organization

(3) **Credit Hours** This course provides theoretical foundations and learning activities for the purpose of understanding and teaching the adult learner. This information will provide a framework for facilitating learning within the adult population and creating and managing educational programs in the healthcare environment. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 664 - Teaching Strategies

(2) **Credit Hours** This course provides the student with information concerning the selection and utilization of pertinent teaching strategies that can be used with adult learners pursuing knowledge within the healthcare environment. The student will obtain knowledge concerning how these teaching strategies can be used in this endeavor as well as the advantages and disadvantages of each. Selection of appropriate teaching strategies will be explored in relationship to learning styles and information to be presented. Evaluation means to ascertain the effectiveness of each strategy will also be presented. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 690 - Healthcare Policy-Nurse Leader

(2) **Credit Hours** Processes of health care policy formation at the federal, state, and local levels and within the private sector. Ethical issues of health care policy formation and implementation. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 695 - Special Topics

(1 to 3) **Credit Hours** Individual or group in depth study of a specific topic under faculty supervision. Contract with instructor required before registration. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 703 - Graduate Nursing Practicum I

(2) **Credit Hours** This course is designed for application of theory and principles from all previous courses, with particular emphasis in the area of concentration. Individually modified course objectives, supervised experiences, periodic seminar discussions, and written practicum logs are methods used to facilitate the learning experience. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 705 - Graduate Nursing Practicum II

(2) **Credit Hours** This course is designed for application of theory and principles from all previous courses, with particular emphasis in the area of concentration. Individually modified course objectives, supervised experiences, periodic seminar discussions, and written practicum logs are methods used to facilitate the learning experience. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 707 - School Nurse Practicum

(3) **Credit Hours** This course is designed as the third practicum course for students in the school nurse licensure program. It is expected that knowledge, principles and values gained from NURS 520, NURS 703, and NURS 705 will continue to be applied in NURS 707; additional skills and knowledge are added through continued synthesis and application of theory and principles from previous practicum courses and didactic courses required for school nurse licensure. Students will apply research principles taught in NURS 502 Nursing Research, to the appraisal of school health needs, and utilize content taught in EDAD 660 Curriculum Design & Teaching Strategies to design and implement health care programs. And, through communication and collaboration with others, students will establish and maintain comprehensive school health programs. Pre-requisites: NURS 502, 520, 703, & 705, EDSP 500, EDAD 660. **Prerequisites:** NURS 502 and NURS 520 and NURS 703 and NURS 705 and EDSP 500 and EDAD 660 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 709 - Graduate Nursing Practicum III

(2 to 4) **Credit Hours** This course is designed for synthesis and application of theory and principles from all previous courses, with particular emphasis in the area of concentration (administration, forensics, informatics, education, school nursing, etc.) Students will develop objectives specific for their concentration and their clinical agency experience. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 750 - Nursing Perspectives III

(3) **Credit Hours** This course focuses on the application of the Clinical Nurse Leader role in caring for diverse populations. Risk assessment, resource management and utilization of data in the public health arena are discussed. Healthy populations are defined from a holistic perspective. **Prerequisites:** Graduate level NURS 650 Minimum Grade of B **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 752 - Community Nursing/Public Health Policy

(4) **Credit Hours** Provides students with exploration of the four key nursing modes in the community: Community-oriented Nursing Practice, Public Health Nursing Practice, Community Health Nursing Practice and, Community-Based Nursing Practice. Promotion of health and prevention of disease in the context of a culturally diverse population is studied. Equally emphasized are the effects of changing governmental roles and structures of healthcare and the nurse's role in the political process with the goal of nurses shaping nursing practice. The nature of ethical problems, care of the environment and the role of holistic nursing in health care reform is discussed. Use of the nursing process to assess aggregates and communities and to intervene through health education, advocacy, and epidemiologic methods is emphasized. **Co-requisites:** NURS 753 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 753 - Community Nursing/Public Health Policy Practicum

(2) **Credit Hours** Provides opportunities to assess and analyze the needs and strengths of communities and populations using various community/assessment frameworks/models. The partnership role of the community as client/teacher with the holistic nurse is emphasized. The focus is on primary prevention and culturally competent health care management using evidence-based practice to achieve public health policy goals. **Co-requisites:** NURS 752 **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 754 - Leadership and Management Concepts For Nurse Leaders

(3) **Credit Hours** This course focuses on leadership and management concepts that are essential for nurse leaders at various levels throughout the healthcare organization. The focus is to prepare nurse leaders for collaborative practice in complex healthcare organizations through examination and application of effective leader behaviors. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 797 - Scholarly Project

(2) **Credit Hours** A capstone course. Further development of students' skills of critical thinking, systematic inquiry, and scholarly writing. A major paper prepared for publication is expected. To be taken during the last 6-12 hours in student's program. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 850 - Nursing Perspectives IV

(3) **Credit Hours** This course focuses on the student's transition into the role of a professional nurse and Clinical Nurse Leader. Responsibilities and behaviors expected of a Clinical Nurse Leader are discussed. Strategies for contributing to the continued development of the profession are explored. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 851 - Leadership Practicum

(4) **Credit Hours** This course is an application and immersion of the student into the role of the Clinical Nurse Leader with supervision provided by partner facilities. As a capstone course, the student will be required to demonstrate mastery knowledge and behaviors expected of a clinical nurse leader. Attention to holistic concepts are emphasized as they relate to the nurse as an instrument of healing engaged in a transpersonal human caring process, self care, care of the environment and the global community. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 852 - Leadership for Quality

(2) **Credit Hours** The purpose of this course is to develop a scholarly project. The scholarly project is an application of key CNL and holistic nursing responsibilities and knowledge related to the clinical microsystem. Topics are selected in collaboration with unit supervisors from partner facilities. The students will demonstrate project management skills in conjunction with a faculty member who will facilitate the student's project progress. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

NURS 854 - Advanced Informatics

(3) **Credit Hours** The focus is to improve clinical and administrative decision making through an in-depth understanding of healthcare informatics. Emphasis is on technology based health applications which support clinical, administrative, research, and educational decision making enhancing the efficacy of nursing endeavors. Current trends and issues in using, designing, and managing health care information systems will be examined. **Levels:** Graduate *College of Social Sciences, Health and Education School of Nursing*

PHIL 100 - Ethics as Introduction to Philosophy

(3) **Credit Hours** An introduction to philosophical thought by way of Plato's Republic and other readings in moral philosophy. Special emphasis on justice. **Levels:** Undergraduate *College of Arts and Sciences Philosophy*

PHIL 290 - Theory of Knowledge

(3) **Credit Hours** An introduction to philosophical questions regarding knowledge, truth, and science by way of Descartes' Discourse on Method and other texts. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 300 - Origins of Philosophy

(3) **Credit Hours** A study of the revolution in thought which created philosophy and science in ancient Greece. Pre-socratic philosophers and Sophists. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 301 - Ancient Philosophy

(3) **Credit Hours** A survey of Ancient Greek Philosophy, with emphasis on Plato and Aristotle. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 302 - Medieval Christian Philosophy

(3) **Credit Hours** A survey of the central medieval Christian philosophers from Augustine to Ockham. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 304 - Early Modern Philosophy

(3) **Credit Hours** Seventeenth and eighteenth century philosophers; conflict of ancients and moderns; response of moderns to each other on system, nature, knowledge, method, morals. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 305 - Contemporary Philosophy

(3) **Credit Hours** A treatment of philosophical movements and issues in the new millennium. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 306 - 20th Century Continental Philosophy

(3) **Credit Hours** One or more of the important continental philosophical movements in the twentieth century, such as phenomenology, existentialism, Marxism, post-structuralism. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 307 - 20th Century Analytic Philosophy

(3) **Credit Hours** An examination of the movements in analytic philosophy of the past century, including the rise of logical and linguistic analysis and logical positivism. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 308 - Late Modern Philosophy

(3) **Credit Hours** Nineteenth century philosophers. A study of the primary sources from Hegel to Nietzsche, with emphasis on continental philosophy and the consequences of Kant's thought. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 309 - Medieval Islamic & Jewish Philosophy

(3) **Credit Hours** A survey of some of the central texts in Islamic and Jewish medieval philosophy. A major focus is the relationship between Greek philosophy (reason) and revelation (Islamic and Jewish) in the medieval period. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 310 - Existentialism

(3) **Credit Hours** A study of authors such as Kierkegaard, Dostoyevsky, Nietzsche, Unamuno, Jaspers, Heidegger, Sartre, Marcel, and Camus who have investigated what it means to be an existing individual. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 311 - Symbolic Logic

(3) **Credit Hours** An introduction to formal logic. The elements of propositional calculus and predicate calculus; the structure of deductive systems. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 312 - Philosophical Hermeneutics

(3) **Credit Hours** Hermeneutics, originally a term for the art of interpreting the bible, came to mean, first the method of philology and of the human sciences (history, literature, philosophy) and finally, with Heidegger and Gadamer, the only understanding possible after metaphysics. This course examines Gadamer's Truth and Method and thinkers who contest Gadamer's theses. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 315 - Philosophy of Religion

(3) **Credit Hours** Study of classic philosophical texts on religion, addressing topics such as philosophical criticisms of religious belief, attempts to prove God's existence, the problem of evil, the problem of divine foreknowledge and human freedom, and religious language. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 317 - Philosophical Anthropology

(3) **Credit Hours** The principal philosophical topics relating to the nature of the human being, such as life, intellection, freedom, personhood, and community. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 319 - Reason and Desire

(3) **Credit Hours** A consideration of different conceptions of human desire in Classical and Modern philosophers. Among the questions to be addressed are the general relation between reason and desire, whether we can act from reason instead of from desire, and whether we can, or should, control what desires we have. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 320 - Philosophy of Science

(3) **Credit Hours** A study of philosophical problems arising out of the presuppositions, methods and results of the natural sciences, focusing particularly on the effectiveness of science as a means for obtaining knowledge. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 321 - Business Ethics

(3) **Credit Hours** Case studies of several critical issues in business, analyzed according to the contemporary context and ethical principles. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 323 - Markets and Morals

(3) **Credit Hours** This course will explore the philosophical, especially the ethical, foundations of modern commerce and economics, raising questions about the limits, advantages and disadvantages of "market" forces in social life. We explore how thinkers such as Mandeville, Hume, Smith, Ricardo, and Malthus apply the concept of a market to topics such as manners, currency, trade, scientific invention, education, land use, population, national defense and religion. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 328 - Existentialist Phenomenology

(3) **Credit Hours** This course examines the origins of the rigorous description of existential phenomena - including perception, knowledge, passivity, the body, finitude, death, and intersubjectivity - in the early 20th century phenomenological tradition of its founder Edmund Husserl and his student Martin Heidegger. Then the mid-20th century French existentialist appropriation of these phenomenological themes will be critically studied in some of the shorter works of, among others, Jean-Paul Sartre and Maurice Merleau-Ponty. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 329 - Bioethics

(3) **Credit Hours** Moral issues arising in health care delivery, including social policy as well as clinical problems. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 331 - Philosophy and Literature

(3) **Credit Hours** This course explores the relation between philosophy and literature, and the way they shape our worldview. It includes the study of philosophical interpretations of various literary genres. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 333 - Philosophy of Art & Beauty (Aesthetics)

(3) **Credit Hours** Principal theories of beauty and contemplation, of art and creative intuition, of truth and symbolism of works of art. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 336 - Speculative Feminism

(3) **Credit Hours** Applications of feminist theory to problems in metaphysics, epistemology, and philosophy of human nature. **Prerequisites:** Undergraduate level [PHIL 100](#) Minimum Grade of D and Undergraduate level [PHIL 290](#) Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 338 - Enlightenment & Revolution

(3) **Credit Hours** Evaluates the nature of political revolutions by examining the political thought preceding the French Revolution. Specific attention is paid to the meaning of revolution as a means of political change and the role of justification of violence. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 339 - Revolution and Its Aftermath

(3) **Credit Hours** This course explores the theoretical articulation and response to the American and French Revolutions, paying attention to how modern political thought emerges as a dialogue about the meaning of these revolutions. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 340 - Metaphysics

(3) **Credit Hours** Metaphysics is the science that investigates what it means to be or exist. This course will examine the nature of metaphysics, and the role it has played in the history of philosophy. Majors and minors only. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 341 - Philosophy of Time

(3) **Credit Hours** What is time? How is it related to change, space, and the human mind? Authors read may include Aristotle, Augustine, Kant, and Heidegger. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 342 - German Idealism

(3) **Credit Hours** Study of major late eighteenth and early nineteenth century German philosophers, such as Fichte, Schelling, and Hegel. Kant may be presented as background to these thinkers. Major topics may include nature, freedom, and history. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 343 - History of Ethics

(3) **Credit Hours** Survey of the ethical theories of the ancient philosophers, of the Christian appropriation, rejection and/or development of these theories, and the relation of these theories to the distinctively modern types of ethics. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 344 - Chinese Philosophy

(3) **Credit Hours** Focus on some early works of three main philosophical schools in Chinese philosophy: Confucianism, Taoism, and Zen (Ch'an) Buddhism. Other schools will be introduced in comparison with and contrast to these three main schools and some later developments will also be mentioned. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 346 - The Scottish Enlightenment

(3) **Credit Hours** Explores the work of several 18th-century Scottish thinkers, with particular focus on the moral, political, and economic aspects of this distinct tradition of thought. Philosophers covered will include Hutcheson, Hume, Smith, and Reid. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 348 - God & Nature in American Philosophy

(3) **Credit Hours** A study of the concepts of God, religious experience, and the relation between the divine and the natural in American philosophy, with emphasis on thinkers such as Edwards, Emerson, Thoreau, James, Royce, and Dewey. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 351 - Italian Philosophy

(3) **Credit Hours** The main conceptual currents in the history of Italian philosophy through representative texts. Topics may include the epistemological role of the imagination as well as theories of history and politics, in such thinkers as Machiavelli, Vico, and Croce. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 354 - Philosophy in America

(3) **Credit Hours** A study of distinctive American philosophical movements of the nineteenth and twentieth centuries. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 359 - Philosophy & Slavery

(3) **Credit Hours** A philosophical exploration of the nature of enslavement and its moral and political dimensions. Readings may include texts by Aristotle, Locke, Hegel, Douglass, and Nietzsche. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 360 - Social Contract Theory

(3) **Credit Hours** This course explores the history of social contract theory as a framework for political philosophy. Readings will involve the most prominent classical formulations (Hobbes, Locke, Rousseau), critical commentary (Astell, Hume), and the influence of the contractarian tradition on later political theorizing (Kant, Rawls). **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 362 - Ancient Political Philosophy

(3) **Credit Hours** A study of ancient political philosophy with emphasis on classic texts of Plato and Aristotle. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 363 - Medieval Political Philosophy

(3) **Credit Hours** An examination of four of the principal political philosophers of the Middle Ages: Augustine, Thomas Aquinas, William of Ockham and Marsilius of Padua focusing on two central issues: the relation of church and state within the single entity "Christendom" and the problem of the relation of law and natural right. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 364 - Modern Political Philosophy

(3) **Credit Hours** A study of the principal problems and texts of modern political philosophy starting from Machiavelli. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 366 - Aristotle

(3) **Credit Hours** Study of the main philosophical works. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 367 - Plato

(3) **Credit Hours** Study of selected dialogues. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 368 - Thomas Aquinas

(3) **Credit Hours** A study of Aquinas' principal philosophical texts, especially concerning the existence and nature of God, creation, the nature of the human being, and the purpose of human life. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 369 - St. Augustine

(3) **Credit Hours** An introduction to the thought of St. Augustine of Hippo, one of the greatest leaders of the early Catholic Church and one of the most important figures in medieval philosophy. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D
Levels: Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 371 - C. S. Peirce

(3) **Credit Hours** An investigation of some of Peirce's most important works in metaphysics, phenomenology, philosophy of science and theory of signs.
Prerequisites: Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 373 - William James

(3) **Credit Hours** A survey of William James' major writings including selections from his landmark work in psychology, philosophy of religion, and voluntarism. The course will conclude with an examination of his later Pragmatism and Radical Empiricism, as well as a discussion of his influence upon subsequent thought in America and Europe. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 374 - Hobbes

(3) **Credit Hours** A study of major philosophical works of Thomas Hobbes. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 375 - Kant

(3) **Credit Hours** A study of major philosophical works of Immanuel Kant. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 376 - Hegel

(3) **Credit Hours** Introduction to the philosophical system of Hegel. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 377 - Schopenhauer

(3) **Credit Hours** An examination of the philosophical pessimism of Arthur Schopenhauer including his central work, "The World As Will and Representation".
Prerequisites: Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 378 - Vico

(3) **Credit Hours** Examination of several key texts in the development of Giambattista Vico's thought, culminating in the *Scienza Nuova*. Themes include Vico's method, his critique of Cartesianism, his theory of history, and his rethinking of natural law. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 379 - Nietzsche

(3) **Credit Hours** An in-depth reading of several of Nietzsche's works. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 380 - Husserl

(3) **Credit Hours** A study of major works by Edmund Husserl, the father of phenomenology, such as *Logical Investigations* and *Ideas I*. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 381 - Josiah Royce

(3) **Credit Hours** A study and critique of the Problem of Christianity by this prophet of secular Christianity. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 382 - John Stuart Mill

(3) **Credit Hours** A study of the philosophy of John Stuart Mill, the 19th century proponent of utilitarian ethics and liberal political theory. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 383 - Spinoza

(3) **Credit Hours** An introduction to the philosophy of Baruch Spinoza by a close reading of his most important texts, including the Ethics, the Theological Political Treatise, and the Political Treatise. The course will also attempt to understand the main themes of Spinoza's work by placing his thought in context and comparing it to the work of other philosophers, including Hobbes, Descartes, and Leibniz. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 388 - Freud and Philosophy

(3) **Credit Hours** Examines the thought of Sigmund Freud as a coherent philosophical worldview. Building on Freud's reconstruction of human nature, we shall examine and evaluate his views on culture, society, religion, and aggression. What is more, we shall analyze and evaluate his claim to have founded a new science. Readings will cover a selection of work from Freud's career. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 391 - Heidegger

(3) **Credit Hours** Study of Heidegger's great work, Being and Time, and of his later thought. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 395 - Directed Study

(1 to 3) **Credit Hours** Independent study related to the field of philosophy. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 399 - Thesis Review

(3) **Credit Hours** A review of progress on the Senior Thesis. Graduating senior majors. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHIL 415 - Paris Seminar On Political Theory

(3) **Credit Hours** This program brings together faculty and students from a French university with students from Xavier to discuss relations between the United States and Europe. Topics include economic policy, environmental issues, church-state relations, federalism, international relations and international law. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level PHIL 290 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Philosophy*

PHYS 108 - Our Universe: Environmental Physics

(2) **Credit Hours** This course will examine natural and human-induced causes affecting the environment from a physics/engineering perspective. Students will first address the way science interfaces with the climate change, energy policy and sustainability, urban infrastructure, environmental health and the impact of developing economies, and the role of technology and scientific innovation in addressing the environmental problems. **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 109 - Our Universe: Environmental Physics Lab

(1) **Credit Hours** Laboratory required to accompany PHYS 108. **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 110 - Our Universe: Forensic Studies

(2) Credit Hours This course will explain the intriguing work of crime scene investigators from a physics standpoint. Included are techniques to find out how a crime happened, e. g. ballistics, blood pattern analysis and skid marks, and techniques to investigate traces that lead to an identification of the perpetrator like bite marks, fingerprints and body fluids. Co-requisite: PHYS 111. **Co-requisites:** PHYS 111 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 111 - Our Universe: Forensic Lab

(1) Credit Hours Hands-on experiences will support the material presented in the lecture. Co-requisite: PHYS 110 **Co-requisites:** PHYS 110 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 112 - Our Universe: Color & Images

(2) Credit Hours Fascinating introductory course on light color, mirrors, lenses, photographic film, lasers, and holograms. Co-requisite: PHYS 113. **Co-requisites:** PHYS 113 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 113 - Our Universe: Color & Images Lab

(1) Credit Hours Laboratory required to accompany PHYS 112. **Co-requisites:** PHYS 112 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 114 - Our Universe: Physical Science

(2) Credit Hours An investigation of the physical properties of matter, mechanics, electricity, and magnetism. Inquiry is the primary method of instruction in a combined lecture and laboratory. Intended for Early and Middle Childhood Education, and Montessori Education Majors with an emphasis placed on the Ohio Academic content Standards. Satisfies science core requirement. Co-requisite: PHYS 115. **Co-requisites:** PHYS 115 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 115 - Our Universe: Physical Science Lab

(1) Credit Hours Laboratory required to accompany PHYS 114. **Co-requisites:** PHYS 114 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 116 - Our Universe: The Earth

(2) Credit Hours An introductory course on earth, energy, and environmental science from a physics perspective. Co-requisite: PHYS 117. **Co-requisites:** PHYS 117 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 117 - Our Universe: The Earth Lab

(1) Credit Hours Laboratory required to accompany PHYS 116. **Co-requisites:** PHYS 116 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 118 - Our Universe: The Sky

(2) Credit Hours Introductory course in astronomy, focusing on basic astronomical phenomena, light, and the life cycle of stars including supernovae and black holes. Co-requisite: PHYS 119 **Co-requisites:** PHYS 119 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 119 - Our Universe: The Sky Lab

(1) Credit Hours Laboratory required to accompany PHYS 118. **Co-requisites:** PHYS 118 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 120 - Our Universe: The Planets

(2) Credit Hours The Planets (2) Introductory course in astronomy, focusing on cycles of the sky, and description, formation, and life-cycle of our Solar System and extra-solar planetary systems. Fundamentals of astronomy are included, and this course may be taken in any sequence with PHYS 118 Our Universe: The Sky, if desired. **Co-requisites:** PHYS 121 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 121 - Our Universe: The Planets Lab

(1) **Credit Hours** The Planets Laboratory required to accompany PHYS 120. **Co-requisites:** PHYS 120 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 122 - Our Universe: Energy Source/Use

(2) **Credit Hours** An introductory course that surveys various forms of energy and studies practical economical applications. **Co-requisites:** PHYS 123 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 123 - Our Universe: Energy Lab

(1) **Credit Hours** Laboratory to accompany PHYS 122. **Co-requisites:** PHYS 122 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 124 - Our Universe: In the Beginning

(2) **Credit Hours** This course explores the historical progression of our beliefs regarding the origin and structure of the universe. Specifically, the course will present and critique cosmological models put forth by Greek philosophers, medieval theologians, and modern scientists (but with the greatest emphasis placed on modern Big Bang cosmology). One of the overall goals of the course will be to show how astronomical observations were used by each of these groups to build up their view of cosmology. Co-requisite: PHYS 125 **Co-requisites:** PHYS 125 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 125 - Our Universe: In the Beginning Lab

(1) **Credit Hours** Laboratory required to accompany PHYS 124 and designed to support concepts being explored in the lecture such as motion, spectra, astronomical distances and cosmological time. **Co-requisites:** PHYS 124 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 140 - Technical Physics

(2) **Credit Hours** For occupational therapy and radiologic technology students. Kinematics, force laws, momentum, energy, work, power, heat, temperature, waves. **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 141 - Radiologic Physics

(2) **Credit Hours** For radiologic technology students. Energy, the structure of matter, electricity, magnetism, optics, radioactivity, and the nature and production of X-Rays. **Prerequisites:** Placement - Math 105 or Placement - Math 110 or Placement - Math 120 or Undergraduate level MATH 105 Minimum Grade of C- or Undergraduate level MATH 110 Minimum Grade of C- or Undergraduate level MATH 120 Minimum Grade of C- **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 142 - Technical Physics Lab

(1) **Credit Hours** This lab accompanies PHYS 140 lectures. Primarily for occupational therapy students. **Co-requisites:** PHYS 140 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 160 - College Physics I

(3) **Credit Hours** An algebra-based approach to introductory physics for premedical, pre-dental and other students. Topics include mechanics, heat, and sound. **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 161 - Introductory Physics Lab I

(1) **Credit Hours** This laboratory accompanies PHYS 160 or PHYS 170 lectures. **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 162 - College Physics II

(3) **Credit Hours** An algebra-based approach to introductory physics for premedical, pre-dental, and others. Topics include mechanics, heat, and sound. **Prerequisites:** Undergraduate level PHYS 160 Minimum Grade of D **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 163 - Introductory Physics Lab II

(1) **Credit Hours** This laboratory accompanies PHYS 162 or 172 lectures. **Prerequisites:** Undergraduate level PHYS 161 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 170 - University Physics I

(3) **Credit Hours** Calculus level course for chemistry, computer science, mathematics, applied physics, and physics majors. Mechanics, heat, sound. **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 171 - Explorations in Physics I

(1) **Credit Hours** Laboratory for physics majors to be taken with PHYS 170. **Co-requisites:** PHYS 170 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 172 - University Physics II

(3) **Credit Hours** Continuation of PHYS 170. Electromagnetism, optics, and modern physics. **Prerequisites:** Undergraduate level PHYS 170 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 173 - Explorations in Physics II

(1) **Credit Hours** Laboratory for physics majors to be taken with PHYS 172. **Co-requisites:** PHYS 172 **Levels:** Undergraduate *College of Arts and Sciences Physics*

PHYS 206 - Advanced Study of Basic Physics I

(3) **Credit Hours** The broad implications of the fundamental principles of general physics. **Prerequisites:** Undergraduate level PHYS 160 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 207 - Advanced Study of Basic Physics II

(3) **Credit Hours** The broad implications of the fundamental principles of general physics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 242 - Electronics I

(3) **Credit Hours** A. C. and D. C. basic analog circuits and measuring instruments, including power supplies, filters, integrated circuits and operational amplifiers and waveform generators. Basics of digital components and circuits. Pre-requisite: PHYS 172 **Prerequisites:** Undergraduate level PHYS 172 Minimum Grade of D or Graduate level EDMS 999 **Co-requisites:** PHYS 243 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 243 - Electronics I Lab

(1) **Credit Hours** Laboratory to accompany PHYS 242. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 244 - Electronics II

(2) **Credit Hours** Digital components and circuits, microcomputer architecture and machine language programming, interfacing circuits. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 245 - Electronics II Lab

(1) **Credit Hours** Laboratory to accompany PHYS 244. **Co-requisites:** PHYS 244 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 330 - Modern Physics I

(3) **Credit Hours** The atomic view of matter, electricity, and radiation; the atomic models of Rutherford and Bohr, relativity, x-rays, and introduction to quantum mechanics. **Co-requisites:** PHYS 331 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 331 - Modern Physics Lab I

(1) **Credit Hours** Photoelectric effect, e/m for electrons, black body radiation, vacuum techniques, ionization potentials, Bragg diffraction, atomic spectra, x-ray spectra. **Co-requisites:** PHYS 330 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 340 - Modern Physics II

(3) **Credit Hours** Natural and artificial radioactivity, nuclear reactions, high-energy physics, and fundamental particles. Pre-requisite: PHYS 330. **Prerequisites:** Undergraduate level PHYS 330 Minimum Grade of D or Graduate level EDMS 999 **Co-requisites:** PHYS 341 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 341 - Modern Physics Lab II

(1) **Credit Hours** Experiments in radioisotope techniques, nuclear particle counting, activation analysis, scattering, and reactor criticality. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 350 - Theoretical Mechanics I

(3) **Credit Hours** Statistics, equilibrium of rigid bodies, analysis of structure, friction, machines. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 351 - Theoretical Mechanics II

(3) **Credit Hours** Dynamics, kinematics of particles and rigid bodies, conservation of energy and momentum, inertial matrices. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 355 - Advanced Physics Lab

(2) **Credit Hours** Advanced techniques on research grade experimental equipment. A partial list includes vacuum deposition system, x-ray diffractometer, nonlinear optical light generation, optical tweezing and atomic force microscope. Advanced calculus based error analysis techniques and communication components will be emphasized. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 360 - Electromagnetism I

(3) **Credit Hours** Coulomb's law, Ampere's law, Faraday's law, Maxwell's electromagnetic equations in free space and material media. Course is given in vector notation. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 361 - Electromagnetism II

(3) **Credit Hours** Continuation of PHYS 360. **Prerequisites:** Undergraduate level PHYS 360 Minimum Grade of D **Co-requisites:** PHYS 360 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 364 - Physical Optics

(3) **Credit Hours** Electromagnetic wave theory is used to derive the laws of optics: reflection, refraction, diffraction, Fresnel integrals, and theory of dispersion. **Co-requisites:** PHYS 365 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 365 - Physical Optics Lab

(1) **Credit Hours** Experiments in Physical Optics, including diffraction, Michelson's interferometer, multiple beam interference, polarization, fiber optics, and holography. **Co-requisites:** PHYS 364 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 376 - Quantum Mechanics I

(3) **Credit Hours** The mathematical formalism of quantum mechanics and its physical interpretation. **Prerequisites:** Undergraduate level PHYS 330 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 377 - Quantum Mechanics II

(3) **Credit Hours** Continuation of PHYS 376. **Prerequisites:** Undergraduate level PHYS 376 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 382 - Thermodynamics

(3) **Credit Hours** Thermodynamic variables and processes, internal energy of a system, first and second laws of thermodynamics, Carnot cycle, entropy, and irreversibility. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 388 - Astrophysics

(3) **Credit Hours** The applied fields of astronomy and astrophysics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 389 - Solid State Physics

(3) **Credit Hours** Topics include crystallography, specific heat, phonons, band theory, Fermi surfaces, superconductivity. Survey of structural, thermal, electrical, and magnetic properties of matter in solid state. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 390 - Special Studies

(3) **Credit Hours** Area to be specified. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 395 - Physics Research

(1 to 3) **Credit Hours** Area to be specified. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 397 - Special Readings

(1 to 3) **Credit Hours** Area to be specified. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

PHYS 398 - Physics Thesis

(1) **Credit Hours** Experimental or theoretical work completed with faculty advisor. Oral and written presentation required at conclusion. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Physics*

POLI 120 - Comparative Government and Politics

(3) **Credit Hours** Introduction to and comparison of political systems in several national settings. **Levels:** Undergraduate *College of Arts and Sciences Political Science and Sociology*

POLI 140 - American Government and Politics

(3) **Credit Hours** Introduction to the theory and practice of the American political system. **Levels:** Undergraduate *College of Arts and Sciences Political Science and Sociology*

POLI 211 - Cincinnati History & Politics

(3) **Credit Hours** A political history of Cincinnati with an analysis of contemporary urban politics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 212 - Urban Administration & Public Policies

(3) **Credit Hours** Overview of the administration issues involved in governing and managing cities, particularly as they pertain to the policy making process. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 215 - French Politics

(3) **Credit Hours** Examination of government, political processes and issues in contemporary France, including relations with the U.S. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 219 - Irish Government and Politics

(3) **Credit Hours** Examination of Irish politics, North and South, with emphasis on changes due to socioeconomic and cultural change. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 220 - Government & Politics of South East Asia

(3) **Credit Hours** A political and geographic survey of the varied and colorful countries of East Asia, in which the technological revolution is proceeding at a fast pace. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 224 - Middle East Politics

(3) **Credit Hours** Examination of recent history, government, political processes and issues in the contemporary Middle East, including relations with the U.S. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 229 - Politics of Central America: Nicaragua

(3) **Credit Hours** Overview of contemporary history and politics of Central America focusing on theories of revolution, development, dependency, and democracy. **Prerequisites:** Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level PHIL 100 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 232 - Politics of Japan

(3) **Credit Hours** Examination of recent history, government, political processes and issues in contemporary Japan, including relations with the U.S. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 234 - Chinese Politics

(3) **Credit Hours** Examination of recent history, government, political processes and issues in contemporary China, including relations with the U.S. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 240 - State & Local Government

(3) **Credit Hours** The structure, organization, and activities of state and local government. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 241 - Governing Cincinnati

(3) **Credit Hours** Examination of the politics and government of Cincinnati, including local campaign politics, policy decision-making, and the influences of local media. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 242 - Urban America

(3) **Credit Hours** Historical development and demographic patterns of the city and its environs. Socio-cultural and ecological perspectives used to examine urban, suburban, and rural areas. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 246 - Mass Media and Politics

(3) **Credit Hours** Examination of the ways in which the mass media interact with and influence political processes, including campaign politics and policy-making. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 275 - Politics of War and Peace

(3) **Credit Hours** Review of major approaches to the study of war and peace. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 277 - International Relations

(3) **Credit Hours** The theory of international relations, nationalism, imperialism, disarmament and arms control, diplomacy, collective security. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 280 - Irish Political Culture

(3) **Credit Hours** This course will explore various aspects of Irish political culture as it has evolved from the late 19th century. The course will survey themes such as the role of myth in the creation of Irish identity, the debated nature of Celtic identity in Ireland, the postcolonial nature of Irish society after independence, and the contemporary changes to Irish life especially secularization amidst the continuing sectarian differences that exist primarily in Northern Ireland. Films will be used to explore images and the reality of Irish life in the twentieth century as will exploration of drama, literature, poetry, television, and other artistic means to debate and challenge inherited meanings and identities. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 301 - Political Philosophy

(3) **Credit Hours** Detailed examination of basic problems in political philosophy. Emphasis is on the significance and critique of classic modernity. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 302 - Liberalism and Its Critics

(3) **Credit Hours** Detailed examination of the theory, practice, and critiques of liberalism. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 308 - Rousseau and the Good Life

(3) **Credit Hours** Detailed reading of major works by Rousseau. Emphasis is on student discussion of the philosophic, moral and political issues raised by the books. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 316 - Globalization

(3) **Credit Hours** Over the last decade globalization has been the cause of much hope and promise; at the same time it has been the cause of the student, worker, and environmentalist protests all over the world. The course will be an interdisciplinary examination of the political, cultural, economic, theological, and ethical dimensions of globalization. It will be team-taught by faculty from economics, political science, theology, and the E/RS program. There will also be a number of invited experts from the US and abroad who will meet with the class. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 320 - Global Islamic Politics

(3) **Credit Hours** Introduction to the issues of global Islamic politics. Topics include the complex relationships between Islam, Muslim communities, political Islam, the modernity-tradition dichotomy, the international relations of the Muslim world, Muslim minorities, political participation, culture, economy, violence and conflict dynamics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 321 - Conflict, Development & Justice

(3) **Credit Hours** Examination of the links between political conflict and economic and political development. Challenges to a status quo and efforts to address problems in developing areas often framed in terms of "justice." Theoretical material for the course will be drawn primarily from the literature on the international

political economy of development. References will be made to case studies from the Middle East, South Asia and other contemporary and historical cases. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 330 - Politics of Central and Eastern Europe

(3) **Credit Hours** This course will concentrate on post, present, and future political developments in those eight East European countries where communist parties once ruled. Our goal is to understand the region's diversity and analyze common and diverging points of the communist and post-communist experiences. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 340 - The Presidency

(3) **Credit Hours** The nature and function of executive power in the American political system. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 344 - The Challenge of Peace

(3) **Credit Hours** In-depth exploration of the personal, political, practical, and spiritual aspects of peace. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 345 - Pressure Groups & Congress

(3) **Credit Hours** A study of pressure groups and group theory as it applies to the United States. Special emphasis on the structure and operation of Congress. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 347 - Civil Liberties & Civil Rights

(3) **Credit Hours** Detailed reading of American constitutional law cases in civil liberties & civil rights. Emphasis is on class discussion of the legal, political, social, and moral issues raised in the published opinions of Supreme Court justices. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 350 - Political Theory & American Regime

(3) **Credit Hours** Detailed reading of texts in political philosophy and in American political thought with a view to understanding the United States as regime. **Prerequisites:** Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level PHIL 100 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 352 - Principles of Research

(3) **Credit Hours** In-depth study of the basic steps and processes in scientific inquiry. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 359 - Campaigns, Elections & Parties

(3) **Credit Hours** Examination of electoral politics, political parties, and campaign processes and issues in the U.S. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 363 - Lincoln & Conditions of Freedom

(3) **Credit Hours** Detailed study of the writings of Abraham Lincoln, particularly as they pertain to the conditions of human freedom under modern democracy. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 372 - International Political Economy

(3) **Credit Hours** International political economy examines the interactions of markets and political forces. It focuses on areas for which the study of economics alone is insufficient, such as the effect of global economic activity on national interests, the durability and success of international regimes, and the international distribution of wealth and economic activities. It includes attention to the formal and informal institutions that direct development, well-being, conflict, cooperation, and rivalry. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 373 - United States and the Third World

(3) **Credit Hours** An examination of the historic estrangement between the U.S. and the Third World and attempts for contemporary cooperation. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 374 - United States Foreign Policy

(3) **Credit Hours** A survey of American foreign policy since World War II with special emphasis on contemporary issues. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 379 - Revolution and Change

(3) **Credit Hours** A survey of the major theoretical approaches to the processes of political and social change especially in developing countries. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 381 - Politics of Western Europe

(3) **Credit Hours** This course will explore the political history, institutions, actors, processes, policies, and political culture of Western Europe, with particular emphasis on Germany, France, and Great Britain. Investigation of the major issue of European integration, with focus on the changing definition, role, and significance of the European Union. Examining of current debates over the limits of a united Europe, a single European currency, and a wider EU membership. The course will also consider the political implications for Europe of the end of Communist systems in the East and the formation of new political alignments in Central and Eastern Europe, as well as Russia. Finally, we will study Europe's developing role in a new world of complex interdependence. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 387 - Soviet & Post-Soviet Politics

(3) **Credit Hours** A survey of the Soviet period emphasizing the 1917 Revolution and the Stalin era to better understand contemporary events. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 390 - Seminar: International Relations

(3) **Credit Hours** Senior comprehensive paper based on research methods and survey of the scholarly literature in the field. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 391 - Seminar: American Government

(3) **Credit Hours** Senior comprehensive paper dealing with problems of American government and politics. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 392 - Internship: Policy Analysis

(6) **Credit Hours** Examination of the methods of policy analysis through hands-on experience in a relevant organization. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 394 - Advanced Reading & Research

(3) **Credit Hours** In-depth analysis of a topic or project of individual interest. Open to exceptional students upon faculty recommendation and with approval of department chairperson. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 396 - International Studies Internship

(3) **Credit Hours** Examination of processes and issues in the field of international affairs through hands-on experience in a relevant organization. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 397 - Political Internship

(3) Credit Hours This is a guided internship course to be taken in conjunction with a 12-14 week internship. Students are required to work between 12 and 20 hours per week during the course of the internship (12-15 hours is recommended in the Fall and Spring semesters, 16-20 hours is recommended in the summer). Course readings, assignments, and discussions are designed to prepare students to succeed in their internship and to help them use their experiences as an intern to gain a broader understanding of politics, campaigns, and political institutions. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 398 - Internship: City Government

(3) Credit Hours Examination of the processes and issues in local government through hands-on experience in a political office or related organization. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 401 - Washington DC Internship

(3 to 9) Credit Hours See department for application materials. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 402 - Washington DC Internship Course

(3) Credit Hours An elective course taken through the Washington Center for Internships and Academic seminars. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 410 - War & Peace in Literature and Film

(3) Credit Hours Overview of political issues related to war and peace illustrated with examples from literature and film. Treatment of war and peace in the media from Civil War to Vietnam War. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 415 - Paris Seminar On Political Theory

(3) Credit Hours This program brings together faculty and students from a French university with students from Xavier to discuss relations between the United States and Europe. Topics include economic policy, environmental issues, church-state relations, federalism, international relations and international law. **Prerequisites:** PHIL 100 and PHIL 290 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

POLI 490 - Directed Study

(1 to 4) Credit Hours Opportunity to pursue a topic or project of individual interest. Subject to approval of department chairperson. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

PSYC 100 - Efficient Reading & Study Skills

(1) Credit Hours Critical reading comprehension, study skills, writing skills with emphasis on the integration of reading and writing, understanding what is read, and developing good study habits. Improve ability to interpret, analyze, and evaluate general reading material and specific course contents. **Levels:** Undergraduate *College of Social Sciences, Health and Education Psychology*

PSYC 101 - General Psychology

(3) Credit Hours Basic psychological processes such as sensation, perception, motivation, learning, abnormal, social, and personality development. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate *College of Social Sciences, Health and Education Psychology*

PSYC 121 - General Experimental Psychology I

(2) Credit Hours Introduction to the scientific method used in psychology, covering topics such as sensation, perception, learning, emotion, motivation. Fulfills science requirement for non-psychology majors. **Co-requisites:** PSYC 122 **Course Attributes:** Psychology Lecture-University Core **Levels:** Undergraduate *College of Social Sciences, Health and Education Psychology*

PSYC 122 - General Experimental Psychology I Lab

(1) Credit Hours Laboratory experiments demonstrating principles described in the lectures. **Co-requisites:** PSYC 121 **Course Attributes:** Psychology Lab-University Core **Levels:** Undergraduate *College of Social Sciences, Health and Education Psychology*

PSYC 123 - General Experimental Psychology II

(2) **Credit Hours** Introduction to the structure and function of the nervous system, which serves as the basis for the study of human behavior and psychopathology. Fulfills science requirement for non-psychology majors. **Prerequisites:** PSYC 121 Minimum Grade of D and PSYC 122 Minimum Grade of D **Co-requisites:** PSYC 124 **Course Attributes:** Psychology Lecture-University Core **Levels:** Undergraduate *College of Social Sciences, Health and Education Psychology*

PSYC 124 - General Experimental Psychology II Lab

(1) **Credit Hours** Experiments demonstrating principles described in the lectures. Co-requisite: PSYC 123. **Levels:** Undergraduate *College of Social Sciences, Health and Education Psychology*

PSYC 200 - Orientation to the Major

(1) **Credit Hours** The objective of the course is to prepare psychology majors for a career in psychology. You will receive exposure to various careers in psychology and reflect on the psychology major as the right choice for you. For example, you will complete some self reflection assignments regarding psychology as a choice for major and examine what is best choice of career paths for your abilities, strengths, values and experiences? You will also learn about some career-related skills such as securing employment: resume writing, researching areas of interest, networking, job shadowing, skills obtained as a psychology major (research design, critical and scientific thinking, oral presentation skill), and accessing XU resources (e.g., Center for Career and Leadership Development). **Prerequisites:** PSYC 101 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 210 - Statistical Techniques

(3) **Credit Hours** Basic statistics in psychology. Measures of central tendency and variability, correlational techniques, and experimental test of differences among groups. For Psychology majors and minors only. **Prerequisites:** PSYC Majors/Minors only **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 221 - Research Methods and Design I

(2) **Credit Hours** Basic exploration of the scientific method as applied to psychology. Includes research design and appropriate statistical analyses. Required for psychology majors, minors, and Honor's students. **Prerequisites:** PSYC 101 and PSYC 210 or MATH 156 **Co-requisites:** PSYC 223 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 222 - Research Methods and Design II

(2) **Credit Hours** Advanced exploration of the scientific method as applied to psychology. Includes research design and appropriate statistical analyses. Required for psychology majors. **Prerequisites:** PSYC 221 **Co-requisites:** PSYC 224 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 223 - Research Methods and Design I

(1) **Credit Hours** Development of hypotheses, design and carry out psychological research, analyze data and interpret results. Required for psychology majors, minors and honors students. **Prerequisites:** PSYC 210 or MATH 156 **Co-requisites:** PSYC 221 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 224 - Research Methods and Design II

(1) **Credit Hours** Development of hypotheses, design, and carry out psychological research, analyze data and interpret results. Required for psychology majors. **Co-requisites:** PSYC 222 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 231 - Developmental Psychology

(3) **Credit Hours** Factors influencing a person's life span. Application to stages of physiological maturation, developmental tasks, social learning, personality integration. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 232 - Child Psychology

(3) **Credit Hours** The study of growth and development; heredity and environmental factors; early and later childhood to puberty. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 233 - Adolescent Psychology

(3) **Credit Hours** Interrelated physical, social, and moral development associated with youth and adolescence. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 245 - Psychology of Cultural Differences

(3) **Credit Hours** A study of the way in which cultural differences influence psychological functioning and social behavior at individual, interpersonal, and systematic levels. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 261 - Social Psychology

(3) **Credit Hours** The individual's personality, attitudes, behavior in multi-individual situations. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 267 - Treating Sex Offenders & Victims

(1) **Credit Hours** This workshop explores treatment issues and approaches for working with sex offenders, victims, and other family members. **Levels:** Undergraduate, Graduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 271 - Introduction to Emotionally Disturbed Child

(3) **Credit Hours** Symptoms of maladaptive behavior in youngsters. Evaluation of etiological factors. Personality disorders, services, facilities, and agencies for treatment. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 276 - Psychology of Delinquency

(2) **Credit Hours** Types and causes of juvenile delinquency together with brief case histories. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 277 - Abnormal Psychology

(3) **Credit Hours** Dynamics of the disturbed personality; symptoms, causes, treatment of psychoneuroses, psychoses, deviant personalities. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 285 - Psychology of Religion

(3) **Credit Hours** Examines religiousness and the religious personality from a psychological perspective. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 301 - History and Systems of Psychology

(3) **Credit Hours** Modern scientific psychology including its various schools and their backgrounds. Required of Psychology majors. Senior Level. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 310 - Marriage and the Family

(3) **Credit Hours** An interdisciplinary course taught simultaneously by a psychologist, sociologist, and theologian, each looking at marriage and family from his/her perspective. In addition, married couple specialists from law and medicine present as guest speakers. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 321 - Industrial-Organizational Psychology

(3) **Credit Hours** Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement and practical application are emphasized. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 340 - Sexism & Racism in Society

(1) **Credit Hours** This workshop explores the causes and effects of racial and gender stereotyping, prejudice, and discrimination on the individual, institutional, and cultural level. Emphasis is on education, the workplace, interpersonal relations, and communication. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 350 - Psychology and the Law

(3) **Credit Hours** Demonstrates a fundamental bridge between psychology and the law. The student is introduced to each discipline's basic methodologies, the roles of forensic psychologists in the legal system, and how psychology can contribute to various areas of the law. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 353 - Violence Against Women & Girls

(3) **Credit Hours** This course is on violence against women and girls, but also makes comparisons regarding violence against men and boys. Course lectures and reading materials address the issue of violence against women and girls in terms of how gender inequality is related to the violence against them. The feminist approach incorporates the intersection of sexism with other forms of oppression, such as racism, classism, and heterosexism. The topics covered focus on sexual abuse (physical and non-physical) and intimate partner abuse, including sexual harassment and stalking. Psychological aftereffects of sexual victimization, including Post Traumatic Stress Disorder and Complex Post Traumatic Stress Disorder are covered. **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 365 - Psychology of Women

(3) **Credit Hours** Study of the biological, psychological, and social needs and issues of women. **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 366 - Crime & Personality

(3) **Credit Hours** Root causes of crime in the individual and in the culture. Consideration of personality dynamics and treatment approaches. **Course Attributes:** Social Science-University Core **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 367 - Psychology of Aging

(3) **Credit Hours** The interrelationship between biological-cognitive personality and social changes associated with aging. **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 368 - Health Psychology

(3) **Credit Hours** A survey of the field of health psychology. Examines a number of health issues by considering the interaction of biological, psychological, and social factors. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 370 - Human Sexuality

(3) **Credit Hours** A survey of the psychology of humans as sexual beings. Examines biological, cultural, psychological and developmental aspects. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 375 - Drugs in Society

(3) **Credit Hours** Material covered in this course includes historical and current perspectives on drug addiction. Basic pharmacology and neuroanatomy are reviewed. Current empirical understanding of the nature and effects of cocaine, nicotine, caffeine, alcohol, depressants, opiates, marijuana, hallucinogens and psychiatric drugs are covered. Additionally, students are exposed to current controversies regarding drugs, drug regulation and drug prevention. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 379 - Psychological Achievement Testing

(3) Credit Hours Principles of mental testing- norms, reliability, validity- along with a familiarization of various psychological tests and discussion of factors in mental testing, e.g., anxiety, maturation, ethics, sources, scoring techniques. **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 380 - Counseling Challenging Youth

(1) Credit Hours Workshop participants learn a number of practical strategies for building and maintaining therapeutic relationships with challenging youth and families. The strategies are formatted around six guiding principles common to most human services professionals who successfully engage this population. Participants are challenged to assess their own attitudes, beliefs, and behaviors related to challenging youth via lecture, demonstrations, small group activities, and role plays. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 385 - Processes of Intergroup Dialogue

(3) Credit Hours This course is designed to give students a foundation to effectively facilitate group interactions and specifically structured multicultural intergroup dialogues. The topics of this course include social identity, group development, prejudice, and stereotyping and their effects on groups; difference and dominance and the nature of social oppression; culture, cultural cues, and judgments; basic group facilitation skills and their application in multicultural settings. Subsequently, the class will view films, participate in class exercises or role plays, practice facilitation and reflect on the readings, processes, and assignments in class discussions. **Course Attributes:** Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 407 - Addiction: An Epidemic

(1) Credit Hours This workshop examines the various forms of addiction that are becoming the leading social problems of this century. An overview of addiction is imparted as well as manifestations such as sex, gambling, eating disorders, and drugs. The impact of addiction on the individual, family, and society are discussed. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 408 - Women & Societal Violence

(1) Credit Hours A workshop that takes a historical perspective on violence against women. Violence against women and intervention are studied. Prosecution of cases is presented and treatment strategies for offenders are explored. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 409 - Group Dynamics

(3) Credit Hours In-depth consideration of basic dynamics and processes operating in groups and the various strategies used in the group approach as they relate to educational, business, social and personal interactions and problems. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 426 - Physiological Psychology

(3) Credit Hours This upper-division course provides an overview of the structure and function of the human nervous system as it is involved in human behaviors such as memory, emotion, learning, and psychological disorders. This course assumes that the student has successfully completed A&P (or its equivalent). **Prerequisites:** PSYC 221 and PSYC 222 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 427 - Cognitive Psychology

(3) Credit Hours Examines the human information processing system. Topics include attention, perception, sensory memory, short-term memory, long-term memory, reasoning and problem solving. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 429 - Psychology of Sensation & Perception

(3) Credit Hours Examines how the senses gather information from the outside world and how that information is transformed and interpreted by the nervous system. Topics include visual and auditory processing, perceptual organization, illusions, movement and time perception, and perceptual development. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 452 - Intro to Clinical Psychology

(3) Credit Hours Provides an understanding of the different types of activities typically engaged in by clinical psychologists. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 464 - Theories of Personality

(3) Credit Hours Description and evaluation of current personality theories. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 470 - Consumer Behavior

(3) Credit Hours Marketing strategy implications of consumer behavior. Provides a basic understanding of the major concepts and theories in consumer decision making and behavior. Considers psychology and other social sciences as they contribute to the understanding of these notions. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 477 - Sports Psychology

(3) Credit Hours The course deals with behavior and sports emphasizing the areas of personality and sports, anxiety and arousal in sports motivation, aggression, group dynamics, socialization and exercise. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 481 - Readings in Psychology

(1 to 3) Credit Hours Library research project assisted and supervised by staff member. Required research paper. Psychology majors only. Approval of Dept. Chair required. **Prerequisites:** THEO 111 and PHIL 100 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 490 - Practicum in Psychology

(1 to 3) Credit Hours In this course, students will work with a child with autism in his/her ABA structured program conducted in the family's home on-average two times per week for at least four hours (50-hour minimum over the course of the semester). Unless other arrangements are made, students need to have a car or regular access to transportation. The practicum will be supervised by the participant parents working in conjunction with the instructor. In addition, students will also meet in class once a week (ranging from 1 to 2 1/2 hours) to participate in lectures on autism. Issues regarding definition, etiology, and treatment will be discussed, as well as topics concerning the impact of children with autism on the family and community. Classes may feature discussions led by parents of individuals with autism. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 499 - Senior Comprehensive Review

(3) Credit Hours Capstone course required of all majors. Review of fundamental areas of psychology. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 502 - History & Philosophical Issues

(3) Credit Hours Review conceptual foundations of modern psychology. This review traces the roots of modern psychology, highlights the major figures of psychology, including the contributions of women and ethnic minorities. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 504 - Theories of Personality

(3) Credit Hours Advanced study regarding the structure and functions of personality as well as an evaluation of current personality theories. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 505 - Professional Problems & Ethics in Psychology

(3) Credit Hours Professional issues in psychology including principles of ethics and their applications. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 506 - Advanced Social Psychology

(3) Credit Hours This course provides an overview of social psychological theories. Applications of those theories and relevant research are examined in terms of clinical themes, and multicultural themes. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 508 - Diversity

(3) **Credit Hours** This is an applied course on cultural diversity. Study of various ethnic and cultural norms are evaluated for their impact on clinical presentation. Appreciation and respect for differences are balanced with the importance of recognizing clinical needs within a variety of settings. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 511 - Advanced Statistics I

(2) **Credit Hours** Statistical analyses emphasizing partial and semi-partial correlations, multiple regression, ANOVA, MANOVA, ANCOVA, logistic regression, discriminant analysis, and factor analysis. **Prerequisites:** PSYC 210 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 512 - Advanced Statistics II

(2) **Credit Hours** Continuation of PSYC 511. **Prerequisites:** Graduate level PSYC 511 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 520 - Computer Statistics Language I

(1) **Credit Hours** Application and interpretation of statistical packages for use in psychological research. **Prerequisites:** PSYC 511 Minimum Grade of C **Co-requisites:** PSYC 511 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 521 - Computer Statistics Language II

(1) **Credit Hours** Continuation of PSYC 520. **Prerequisites:** PSYC 520 Minimum Grade of C **Co-requisites:** PSYC 512 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 522 - Personnel Psychology

(3) **Credit Hours** Psychological dimensions of human resource functions in organizations, primarily focusing on personnel selection, employee orientation and placement, employment legislation and related topics with a strong emphasis upon current research and literature. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 530 - Learning & Motivation

(3) **Credit Hours** Theories of learning and motivation mainly within the context of education. Three families of learning theory: mental discipline, stimulus-response conditioning, cognitive psychology. Particular emphasis upon the place of intrinsic motivation. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 553 - Marketing Research

(3) **Credit Hours** Methods and techniques of marketing research; its use as a tool of management; cases in marketing research. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 579 - ProSeminar: Applied Industrial-Organizational Psychology

(3) **Credit Hours** An overview of topic areas in personality, social, and cognitive psychology, and their application to Industrial-Organizational Psychology. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 580 - Clinical Psychopathology

(3) **Credit Hours** Study of descriptive and dynamic psychopathology via DSM-IV and psychodynamic theory. Clinical interviewing and diagnostic criteria. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 582 - Assessment I: Intelligence

(3) Credit Hours Administration of individual tests of intelligence (WAIS-III, WISC-IV) and cognitive functioning (WMS-III). Introduction to analysis of test scores and report writing. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 585 - Assessment II: Personality

(3) Credit Hours The fundamental principles involved in the administration, scoring, analysis, and evaluation of the MMPI-2, MMPI-A, MCMI-3, and several other tests are covered in this course. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 590 - Internship: General Experimental Psychology

(3) Credit Hours Supervised experience in the student's area of interest/concentration. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 593 - Internship in Industrial Organizational Psychology

(3) Credit Hours A 120-hour field experience within the general area of I-O psychology. In some instances, students design and carry out projects in the service of organizations. In other situations, students participate in on-going activities in ways to help serve organizational needs. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 607 - Advanced Developmental Psychology

(3) Credit Hours Introduction to core issues in developmental psychology - developmental perspective on psychological theory and research; sub-discipline in psychology with its own history, perspective, methodologies, and traditions of measurement and analysis; appreciation of a developmental perspective in clinical work; importance of culture and diversity in developing a clinical perspective. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 609 - Learning & Cognition

(3) Credit Hours Analysis of the experimental literature and theories of learning and cognition, including conditioning, memory, attention, problem solving, and decision making. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 610 - Biological Bases of Behavior

(3) Credit Hours A survey of the biological underpinning of human behavior with an emphasis on structure and function of the human nervous system particularly as it pertains to processes such as learning, memory, emotions, and psychological disorders. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 615 - Gestalt Therapy

(1) Credit Hours This workshop is an introduction to theoretical foundations and therapeutic techniques of Gestalt therapy with particular emphasis on experiential learning. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 621 - Advanced Research Design & Analysis

(3) Credit Hours Intensive survey of experimental procedures and advanced issues in experimental procedures and analysis; introduction to individual laboratory research with special focus on methodological issues. **Prerequisites:** PSYC 511 and PSYC 520 and PSYC 512 and PSYC 521 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 623 - Issues in Applied Psychology

(3) Credit Hours This course serves to provide students with exposure to topics related to conducting research in applied settings, including performing program evaluations and communicating with Institutional Review Boards (IRB) regarding studies involving human subjects. Typically, students are required to apply principles from previous courses in statistics and research design. Information about the PsyD dissertation requirement is also typically provided. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 627 - Marital & Family Therapy

(2) **Credit Hours** A workshop designed to educate students in the systems perspective in dealing with a range of psychological disorders. Diagnostic and treatment strategies presented along with practical training in marital and family interventions. Advances in marital and family research are presented. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 629 - Intervention Techniques: Behavior Therapy

(3) **Credit Hours** Theoretical and empirical bases of behavior therapy coupled with applied aspects of the therapeutic process. Projects using behavioral therapeutic techniques in a variety of settings with various clinical problems required. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 641 - Assessment Techniques in Industrial-Organizational Psychology

(4) **Credit Hours** The role of assessment in I-O psychology. Skill development in conducting job analyses and writing job descriptions; constructions, evaluating and using employment tests; developing and carrying out surveys; coverage of all phases of performance evaluation; and meeting other assessment needs within the field of I-O psychology. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 643 - Seminar: Industrial - Organizational Psychology

(3) **Credit Hours** Thorough review of current topics in I-O psychology as well as the area of leadership, with an emphasis on both research and popular literature. Students are expected to be largely responsible for the presentation of information. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 644 - Organizational Psychology

(3) **Credit Hours** Concepts attempting to explain the motivation and behavior of employees in organizations. Topics include job satisfaction, work motivation, absenteeism, turnover, organizational commitment, organizational citizenship behaviors, and job design with a strong emphasis on current research and literature. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 645 - Train & Devel in Organizations

(3) **Credit Hours** This course presents an overview of the important issues in training and development. Students apply the concepts and knowledge learned to real world situations. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 649 - Introduction to Clinical Interactions

(3) **Credit Hours** This course is designed to introduce graduate students to the knowledge, attitudes and skills which are basic to clinical practice especially interviewing and therapy. It includes a survey of research related to the aspects of therapy common across theoretical orientations and the process variables which have been found to lead to positive outcomes. The course includes a lecture and discussion period for the whole group and a lab with a group of four students and an advanced graduate student TA. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 650 - Professional Development & Practicum I

(3) **Credit Hours** This is a didactic and experiential class designed to socialize the students in a variety of applied areas within the area of clinical psychology. Students become acquainted with information about practical aspects of psychological service provision, current professional and ethical issues relevant to that experience and the role of psychological organizations in one's development. Professional development addresses four general areas: clinical knowledge, clinical skills, self-knowledge, and research thinking. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 651 - Professional Development & Practicum II

(3) **Credit Hours** Continuation of PSYC 650. **Prerequisites:** PSYC 650 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 660 - Performance Appraisal

(3) **Credit Hours** This course will present an overview of important issues in performance appraisal, as well as practical experience. Expectations include applying the concepts and knowledge learned in this class to real world situations. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 685 - Assessment III: Personality

(3) **Credit Hours** This course furthers training in the assessment of personality functioning by presenting the administration, scoring and interpretation of the Rorschach Test, based upon Exner's Comprehensive System. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 689 - Research in Psychology

(3) **Credit Hours** Research project supervised by a faculty member. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 699 - Master's Thesis

(3 to 6) **Credit Hours** Culminating scholarly activity requiring literature review, collection and analysis of data and discussion of results. A formal proposal and oral defense of the written thesis are required. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 703 - Psychopharmacology

(3) **Credit Hours** Culminating scholarly activity requiring literature review, collection and analysis of data and discussion of results, supervised by a faculty member. A formal proposal and oral defense of the written thesis are required. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 704 - Health Issues in Geropsychology

(3) **Credit Hours** This course focuses on the relationship between physical disease and psychological functioning. Theoretical issues and applied psychological interventions related to health promotion and wellness are presented. Offers a multi-disciplinary perspective through critique and analysis of current research literature and exposure to other allied health professionals. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 705 - Clinical Neuropsychology

(3) **Credit Hours** Study of brain-behavior relationships. This course reviews classic neuropsychological presentations of frequently encountered neurological disorders. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 706 - Alcohol & Substance Abuse

(3) **Credit Hours** This course examines the concept of addiction as it is understood by psychologists. It is designed to provide exposure to leading theories of drug initiation, abuse and dependence. Information about the physical and psychoactive effects of the major categories of abuse and dependence producing drugs are covered. Assessment strategies and treatment modalities are discussed. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 710 - Intervention Technique: Group Therapy

(3) **Credit Hours** This course is designed to teach the significant theoretical aspects of group therapy. Students will become familiar with the stages of development of groups, the goals of each stage, the characteristic behavior of members within each stage as well as the appropriate leader interventions. Knowledge of factors that make groups effective, ethical guidelines and qualities/behaviors that make effective group leaders, and cultural issues that impact groups will be addressed. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 712 - Forensic Psychology

(3) **Credit Hours** Examines the bridge between psychology and the law, emphasizing the forensic psychologist's role in the legal system. Attention is given to developing a foundation in forensic knowledge, skills, and attitude for professional psychologists. Forensic issues including assessment and intervention strategies, consultation, interdisciplinary forensic problem-solving, courtroom testimony, and ethics are emphasized. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 714 - Child & Adolescent Chronic Illness

(1) **Credit Hours** This intensive workshop examines the child and adolescent with chronic illness and discusses treatment approaches from a multi-disciplinary or bio-psycho-social intervention model. The instructor draws upon extensive experience and observations from working in clinics, hospitals or in the field with children who have been diagnosed with such disorders as: cancer, hemophilia, AIDS, diabetes, sickle cell anemia, endocrine/growth problems, cleft palate, genetic anomalies, mental health DSM-IV disorders, as well as children with multiple handicaps and disabilities. Emphasis is given to practical ways counselors and other mental health professionals and teachers can build and maintain therapeutic relations with children who have been dealt this difficult challenge of handling a

chronic or life threatening illness. Additionally, this course gives special attention to identifying needs, assessing, and treating families and siblings of children who have a chronic illness. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 715 - Early Cognitive Development

(3) **Credit Hours** Review of theories of the nature and development of the human cognitive system and how it relates to developmental processes. Special attention is paid to Piaget's theory of cognitive development. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 716 - Working with Difficult or Tough Children

(0 to 1) **Credit Hours** Workshop that examines identification, assessment and treatment procedures used therapeutically with a range of psychological disorders experienced by children and adolescents. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 718 - Assessment of Child & Adolescent

(3) **Credit Hours** Designed to teach a variety of clinical assessment strategies to assist in diagnosis and clinical decision-making. The complexities of developing youth and their social systems are examined as they relate to as interpreting assessment data with sensitivity to cultural and ethnic differences. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 720 - Child & Adolescent Psychopathology

(3) **Credit Hours** Risk factors for and characteristics of psychopathology evidenced by persons under 18, with attention to the influence of genetics, biology, family, peers, diverse social contexts, and society as a child develops. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 721 - Psychopathology & Therapeutic Intervention with Older Adults

(3) **Credit Hours** Focus of the course is twofold: assessment and treatment. When assessing and treating older adults, psychologists must consider the relevant bio-psycho-social factors. Students will express their conceptualization of cases according to a biopsychosocial framework, DSM-IV diagnostic criteria, and the major models of psychotherapy; describe and defend their treatment plan for many common disorders in later life, incorporating empirically proven effective interventions; and identify the ethical principles operative in cases and describe how they will resolve ethical dilemmas according to APA ethical guidelines and principles. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 730 - Intervention Technique: Consulting

(3) **Credit Hours** Consultation is studied within a process service delivery role, especially applied to the clinical psychologist. Both consulting as an individual and as part of a team are studied as applied to a number of different areas: health care agencies; forensic agencies; academic agencies; athletics and corporations. The emphasis on specific areas may change from time to time. Basics of grant writing, aspects of program evaluation, diversity issues, consulting vs. counseling and therapy, ethical issues related to consulting are explored. Students are expected to become familiar with consulting research and theory as well as fundamentals of consulting practice. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 731 - Intervention Techniques: Psychodynamics

(3) **Credit Hours** This course is presented to teach both a theoretical and applied understanding of the psychotherapeutic process, emphasizing psychoanalytic theory and technique. Respect for differences is emphasized. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 732 - Intervention Techniques: Child & Adolescent

(3) **Credit Hours** Theoretical framework regarding the psychological treatment of children and adolescents, current research data, and treatment methods presented in dealing with a range of childhood and adolescent disorders. Special emphasis is placed on empirically validated treatment interventions. **Prerequisites:** PSYC 720 and PSYC 718 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 735 - Intervention: Dialectical Behavior Therapy

(3) **Credit Hours** Students will become familiar with Dialectical Behavior Therapy (DBT) as it can be applied to a variety of clients including suicidal adolescents and adults with Borderline Personality Disorder (BPD). Students will study four components of DBT: individual therapy, skills training, phone coaching, therapist consultation teams. Students will also learn how to teach the DBT skills of mindfulness, interpersonal effectiveness, emotion regulation, and distress tolerance. The course will also survey the theory and research behind DBT. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 740 - Assessment of Older Adults

(3) **Credit Hours** Students become familiar with the theory, research, and practice of various assessment methods used with older adults. This course exposes students to common clinical assessment issues with this population (e.g., what factors need to be ruled out, and how to go about an assessment to answer specific referral questions). Students write several assessment reports based upon case vignettes, in which they integrate bio-psycho-social assessment evidence. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 747 - Intervention Techniques: Marital & Family Therapy

(3) **Credit Hours** Designed to educate students in the systems perspective in dealing with a range of psychological disorders. Diagnostic and treatment strategies presented along with practical training in marital and family interventions. Advances in marital and family research are presented. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 760 - Clinical Practicum III

(3) **Credit Hours** Supervised experience in a clinical setting. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 761 - Clinical Practicum IV

(3) **Credit Hours** Continuation of PSYC 760. **Prerequisites:** PSYC 760 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 787 - Research I

(3) **Credit Hours** A culminating scholarly activity requiring a review of relevant literature, collection and analysis of data, and discussion of results under the supervision of a faculty member. A formal proposal meeting and oral defense of the written dissertation are required. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 788 - Research II

(3) **Credit Hours** Continuation of PSYC 787. **Prerequisites:** PSYC 787 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 789 - Research III

(3) **Credit Hours** Continuation of PSYC 788. **Prerequisites:** PSYC 788 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 790 - Continuous Major Research

(3 to 12) **Credit Hours** Continuation of PSYC 699 & 789. **Prerequisites:** PSYC 699 or PSYC 789 **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 850 - Clinical Practicum V

(3) **Credit Hours** Supervised experience in a clinical setting. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 851 - Clinical Practicum VI

(3) **Credit Hours** Continuation of PSYC 850. **Prerequisites:** PSYC 850 Minimum Grade of C **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 896 - Research & Clinical Issues: Severely Mentally Disabled Population

(3) **Credit Hours** A knowledge-based introduction to the research and clinical issues involved in working with severely mentally ill persons and their families. Takes a broad-based approach to the overview of the field and addresses theory and practice methods in this area. Students are acquainted with the social, political and professional context in which mental health practice and research take place. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 897 - Intervention Techniques:Severely Mentally Disabled Population

(3) Credit Hours This course is designed to teach assessment and intervention techniques for working with severely mentally ill persons and their families. Uses psychological and psychosocial development theory and research as a basis for case and treatment conceptualization. Further acquaints students with the social, political, and professional context in which mental health practice and research take place. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 900 - Tutorial in Psychology

(1 to 3) Credit Hours Content to be determined according to the needs of the student in regards to a particular skill/knowledge area. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 998 - Internship Planning

(1) Credit Hours Continuation of doctoral student preparation for internship experience. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

PSYC 999 - Internship

(1 to 2) Credit Hours Intensive, full-time supervised experience in a clinical setting approved by the director of clinical training. **Levels:** Graduate *College of Social Sciences, Health and Education Psychology*

RADT 115 - Cmptr Literacy for Radiography

(1) Credit Hours Computer terminology and concepts with emphasis on applications in Radiologic Technology. **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 150 - Medical Terminology

(1) Credit Hours Medical word roots, stems, prefixes and suffixes. Common medical abbreviations. **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 152 - Patient Care in Radiography

(1) Credit Hours Basic patient care, communication skills, professional ethics, emergency procedures and isolation techniques. **Co-requisites:** RADT 160, RADT 161, RADT 170 **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 154 - Ethics & Law in Radiography

(1) Credit Hours This course will provide students with a fundamental background in ethics as well as elements of ethical and professional behavior. Students will be introduced to legal terminology, principles, and professional organizations. **Levels:** Undergraduate *College of Arts and Sciences Radiologic Technology*

RADT 160 - Radiographic Procedures I

(2) Credit Hours Didactic and laboratory instruction in routine radiographic positioning of the chest, abdomen, upper extremities, bony thorax, esophagus, stomach, large intestines, biliary and urinary systems. **Co-requisites:** RADT 152, RADT 161, RADT 170 **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 161 - Radiographic Practicum I

(1) Credit Hours Radiographic clinical competency training and evaluation, Tuesdays and Thursdays during the fall semester at an affiliate hospital (16 hours/week). **Co-requisites:** RADT 152, RADT 160, RADT 170 **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 162 - Radiographic Procedures II

(2) **Credit Hours** Didactic and laboratory instruction in routine radiographic positioning of the lower extremities, pelvis, cervical, thoracic, and lumbar spine, skull and facial bones. **Prerequisites:** Undergraduate level RADT 160 Minimum Grade of C and Undergraduate level RADT 161 Minimum Grade of C **Co-requisites:** RADT 163 **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 163 - Radiographic Practicum II

(1) **Credit Hours** Radiographic clinical competency training and evaluation, Tuesdays and Thursdays during the spring semester at an affiliate hospital (16 hours/week). **Prerequisites:** Undergraduate level RADT 150 Minimum Grade of C- and Undergraduate level RADT 152 Minimum Grade of C- and Undergraduate level RADT 160 Minimum Grade of C- and Undergraduate level RADT 161 Minimum Grade of C- and Undergraduate level RADT 170 Minimum Grade of C- **Co-requisites:** RADT 162 **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 165 - Radiographic Practicum III

(3) **Credit Hours** Radiographic clinical competency training and evaluation during the summer months. First summer session, Monday and Wednesday at an affiliate hospital (16 hours/week). Second summer session, Monday through Friday at an affiliate hospital (40 hours/week). **Prerequisites:** Undergraduate level RADT 162 Minimum Grade of C- and Undergraduate level RADT 163 Minimum Grade of C- and Undergraduate level RADT 172 Minimum Grade of C- and Undergraduate level RADT 180 Minimum Grade of C- **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 170 - Principles of Radiographic Exposures I

(2) **Credit Hours** Basic concepts of radiation protection, the process of radiographic image production, and the specific equipment accessories used to produce high quality images. **Co-requisites:** RADT 152, RADT 160, RADT 161 **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 172 - Principles of Radiographic Exposures II

(2) **Credit Hours** Controlling and influencing factors of radiographic image quality. **Prerequisites:** Undergraduate level RADT 150 Minimum Grade of C- and Undergraduate level RADT 152 Minimum Grade of C- and Undergraduate level RADT 160 Minimum Grade of C- and Undergraduate level RADT 161 Minimum Grade of C- and Undergraduate level RADT 170 Minimum Grade of C- **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 180 - Radiation Protection and Biology

(2) **Credit Hours** How to use ionizing radiation in a safe and prudent manner, maximum permissible doses, effects of ionizing radiation on living tissue. **Prerequisites:** Undergraduate level RADT 150 Minimum Grade of C- and Undergraduate level RADT 152 Minimum Grade of C- and Undergraduate level RADT 160 Minimum Grade of C- and Undergraduate level RADT 161 Minimum Grade of C- and Undergraduate level RADT 170 Minimum Grade of C- **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 200 - Digital Imaging

(1) **Credit Hours** To advance students' knowledge of how computers are used in radiology to form images. Students are introduced to the components and operations of digital imaging equipment. Student must have completed all first year Radiologic Technology courses prior to taking this course. **Levels:** Undergraduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 250 - General Radiography

(2) **Credit Hours** Specialized radiographic positioning procedures including radiographic anatomy. **Prerequisites:** Undergraduate level RADT 165 Minimum Grade of C- **Co-requisites:** RADT 260, RADT 261, RADT 270 **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 260 - Special Procedures

(2) **Credit Hours** Special radiographic procedures including myelography, tomography, arthrology and vascular studies. Contrast media. **Prerequisites:** Undergraduate level RADT 165 Minimum Grade of C- **Co-requisites:** RADT 250, RADT 261, RADT 270, **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 261 - Radiographic Practicum IV

(2) Credit Hours Advance radiographic clinical competency training and evaluation, fall semester on Mondays, Wednesdays and Fridays at an affiliate hospital (24 hours/week). **Prerequisites:** Undergraduate level RADT 165 Minimum Grade of C- **Co-requisites:** RADT 250, RADT 260, RADT 270 **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 262 - Pharmacology & Drug Admin

(1) Credit Hours Content is designed to provide basic concepts of pharmacology and drug administration. The administration of diagnostic contrast agents and/or intravenous medications is emphasized. **Levels:** Undergraduate *College of Arts and Sciences Radiologic Technology*

RADT 263 - Radiographic Practicum V

(2) Credit Hours Advance radiographic clinical competency training and evaluation, spring semester on Mondays, Wednesdays and Fridays at an affiliate hospital (24 hours/week). **Prerequisites:** Undergraduate level RADT 115 Minimum Grade of C- and Undergraduate level RADT 250 Minimum Grade of C- and Undergraduate level RADT 260 Minimum Grade of C- and Undergraduate level RADT 261 Minimum Grade of C- and Undergraduate level RADT 270 Minimum Grade of C- **Co-requisites:** RADT 280, RADT 292, RADT 294 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 265 - Radiographic Practicum VI

(1 to 3) Credit Hours Continuation of RADT 263, summer semester, Monday through Friday (2 months 40 hours/week). **Prerequisites:** Undergraduate level RADT 263 Minimum Grade of C- and Undergraduate level RADT 280 Minimum Grade of C- and Undergraduate level RADT 292 Minimum Grade of C- and Undergraduate level RADT 294 Minimum Grade of C- **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 270 - Principles of Radiographic Exposures III

(2) Credit Hours Radiographic technique charts and designs. Exposure conversion problems. Anodecooling and tube rating. **Prerequisites:** Undergraduate level RADT 165 Minimum Grade of C- **Co-requisites:** RADT 250, RADT 260, RADT 261 **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 272 - Principles of Computed Tomography

(1) Credit Hours Content is designed to impart basic principles and instrumentation related to computed tomography (CT imaging). Computed tomography systems and operations will be explored with attention given to radiation safety. **Levels:** Undergraduate *College of Arts and Sciences Radiologic Technology*

RADT 280 - Pathology

(2) Credit Hours Study of diseases and the radiographic evaluation of the disease processes. **Prerequisites:** Undergraduate level RADT 115 Minimum Grade of C- and Undergraduate level RADT 250 Minimum Grade of C- and Undergraduate level RADT 260 Minimum Grade of C- and Undergraduate level RADT 261 Minimum Grade of C- and Undergraduate level RADT 270 Minimum Grade of C- **Co-requisites:** RADT 263, RADT 292, RADT 294 **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 292 - Imaging Equipment & Film Process

(2) Credit Hours Defines the design, maintenance, and quality assurance of radiologic equipment and film processing equipment. **Prerequisites:** Undergraduate level RADT 115 Minimum Grade of C- and Undergraduate level RADT 250 Minimum Grade of C- and Undergraduate level RADT 260 Minimum Grade of C- and Undergraduate level RADT 261 Minimum Grade of C- and Undergraduate level RADT 270 Minimum Grade of C- **Co-requisites:** RADT 263, RADT 280 **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

RADT 294 - Radiographic Sectional Anatomy

(2) Credit Hours Gross sectional anatomy of the head, neck, thorax, abdomen, pelvis and vertebral column as they appear on diagrams, computed tomography and magnetic resonance scans. **Prerequisites:** Undergraduate level RADT 115 Minimum Grade of C- and Undergraduate level RADT 250 Minimum Grade of C- and Undergraduate level RADT 260 Minimum Grade of C- and Undergraduate level RADT 261 Minimum Grade of C- and Undergraduate level RADT 270 Minimum Grade of C- **Co-requisites:** RADT 263, RADT 280, RADT 292 **Levels:** Undergraduate, Undergraduate, Graduate *College of Social Sciences, Health and Education Radiologic Technology*

SHRM 200 - Human Resources In a Diverse S

(3) **Credit Hours** Issues examined are: workplace laws, recruiting, hiring, setting wages, evaluating employees, benefits, discipline, labor relations and the international concerns. **Course Attributes:** Cultural Diversity - Univ Core, Gender & Diversity Studies Min **Levels:** Undergraduate *Williams College of Business Management and Entrepreneurship*

SHRM 301 - Strategic Human Resource Manag

(3) **Credit Hours** A survey of employment theory and methods including staffing, compensation, training and development, benefits and human resources law and public policy. **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 302 - Labor Relations

(3) **Credit Hours** Evaluation of collective bargaining as a method for dealing with issues and problems involved in union-management relations. Focus on relationships and contract negotiations. **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 303 - Co-op Education/Human Resource

(3) **Credit Hours** An elective cooperative experience where students earn academic credit while performing approved human resources related work experience. Student must have 55 credit hours completed, 2.75 GPA, department approval required. **Prerequisites:** Undergraduate level MGMT 301 **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 309 - Change Management

(3) **Credit Hours** Theory and design of organizational systems, organizational performance, culture, training and development and change processes; course also includes a focus on performance appraisal. **Prerequisites:** Undergraduate level MGMT 300 **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 313 - Human Resources Law

(3) **Credit Hours** Analysis of the law governing the relationship between workers and their employer; emphasis on laws treating labor-management relations, working conditions, discrimination and individual employee rights. **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 325 - International Human Resources

(3) **Credit Hours** Compare and contrast labor markets in Asia, Europe and the US. Compare and contrast human resource decisions and practices in different countries (Canada, Great Britain, Germany, France, Sweden, Japan, China and Mexico), Analyze human resource issues and practices that today's multinational firms are facing. Topics include: international recruitment and selection, repatriation, training and development, performance management, compensation and labor relations. **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 345 - Compensation Theory & Practice

(3) **Credit Hours** An Examination of the logic and practices involved in current programs for compensating employees. **Prerequisites:** Undergraduate level STAT 210 **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 402 - Staffing

(3) **Credit Hours** A Comprehensive examination of the field of staffing within the human resource function, including legal issues, recruiting, job analysis, testing and interviewing and selection of individuals as new hires and internal movements including promotions. **Prerequisites:** Undergraduate level STAT 210 **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 403 - Co-Op Eduation/Human Resources

(3) **Credit Hours** An elective cooperative experience where students earn academic credit while performing approved human resources related work experience. Student must have 55 credit hours completed, 2.75 GPA, departmental approval required. **Prerequisites:** Undergraduate level MGMT 301 **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 490 - Integ Capstone In Strat HR Mgt

(3) **Credit Hours** Integration and application of human resource knowledge for a real company or simulation; analysis of current human resource issues facing organizations. Required capstone course for SHRM majors. **Levels:** Undergraduate, Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 600 - Introduction To Human Resource

(3) **Credit Hours** This course is developed and delivered in the Jesuit tradition. The Society of Jesus was founded in 1540. Jesuits are educators, scholars and missionaries throughout the world. They are preachers and teachers who devote themselves to the young, the sick, prisoners and soldiers. They are often called upon to be confessors to those in political and economic prominence. It is this tradition that this course is taught to focus on developing the leadership skills of the student within the area of Human Resource Management (HRM). **Restrictions:** Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

SHRM 701 - Human Resources

(3) **Credit Hours** The focus is on emerging issues in human resources development and description of the continuous analytical comprehensive process of strategic human resource management. Topics include: traditional versus strategic human resources management, measurement of human resources effectiveness, the role of human resources in continuous improvement processes, international human resource management, and diversity initiatives. Requires admission to the executive MBA program. **Restrictions:** Must be enrolled in one of the following Degrees: Exec. Master of Bus. Admin **Levels:** Graduate *Williams College of Business Management and Entrepreneurship*

SOCI 101 - Introduction to Sociology

(3) **Credit Hours** Social behavior within the context of group structure, society, and culture. Basic sociological terminology and methodology. **Levels:** Undergraduate *College of Arts and Sciences Political Science and Sociology*

SOCI 167 - Survey of Society in Social Work

(3) **Credit Hours** The social welfare institution and social work. The three major purposes of social work: (1) enhancement of problem solving; (2) knowledge of systems that provide people with resources and services; and (3) the successful linkage of people with these systems. **Levels:** Undergraduate *College of Arts and Sciences Political Science and Sociology*

SOCI 180 - Culture & Society

(3) **Credit Hours** Cross cultural study of human values, norms, and behavior. Contemporary American as well as remote and prehistoric cultures will be investigated from the anthropological perspective. **Levels:** Undergraduate *College of Arts and Sciences Political Science and Sociology*

SOCI 216 - Sociology of Religion

(3) **Credit Hours** Examination of the major components of religion, the interdependence between religion and other societal institutions, and religion's role in social conflict and change. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 232 - Sociology of Sport

(3) **Credit Hours** Organized sport as an important institutional component of American culture and society. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 240 - Population Trends & Analysis

(3) **Credit Hours** Introduction to the basic methods and theories of demography. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 245 - Appalachian in Urban Life

(3) **Credit Hours** Subcultural contact with the urban community. Social and economic adjustment problems of this group. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 250 - Racial Ethnic Minorities

(3) **Credit Hours** Minority groups in contemporary United States. Social processes involved in dominant minority relations. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 262 - Women in American Society

(3) **Credit Hours** Women in social, economic, and structural (bureaucratic) settings. An examination of changing roles and status. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 264 - Social Change

(3) **Credit Hours** Studying alterations in cultural patterns, social structure, and social behavior. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 265 - Collective Behavior

(3) **Credit Hours** Overview of theory and research on various forms of collective behavior, including fads, fashions, urban legends, crowds, riots, and social movements. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 269 - Popular Culture

(3) **Credit Hours** Critical perspectives on the production, interpretation, and effects of popular culture. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 270 - Irish Historical Sociology

(3) **Credit Hours** This course entails readings, lectures, and travel to the most important sites in Ireland that explain the evolution of Irish identity based on different migrations. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 285 - Magic & Witchcraft

(3) **Credit Hours** Mysticism and the supernatural in social context. The meanings and functions of magic and witchcraft within various cultural contexts. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 287 - American Music And The Roots Of Cool

(3) **Credit Hours** This course addresses the influence of music in everyday living - the impact of music in society as well as social problems expressed through music. With emphasis on the American experience, special attention is paid to popular cultural and mass cultural forms of music - especially soul, jazz, rhythm and blues and country - as well as how people use music to claim a social identity and to establish social boundaries between themselves and others. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 289 - Movies and Cities

(2) **Credit Hours** The course is designed for undergraduates and serves as an introduction to both American urban history and the history of movies. It also acquaints students with interdisciplinary methods. Students are required to do a significant amount of reading and writing. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 290 - Criminology and Penology

(3) **Credit Hours** Causative theories of crime. Crimes and criminals in the context of behavioral systems. Policies and programs of legal treatment. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 292 - Juvenile Delinquency

(3) **Credit Hours** Multiple factors involved in delinquent behavior. Definition, extent, causation, and treatment. **Levels:** Undergraduate, Graduate
College of Arts and Sciences Political Science and Sociology

SOCI 300 - Sociological Theories

(3) **Credit Hours** European and American theorists. Origin, growth, and change of social order and the individual's place in society. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 310 - Marriage and the Family

(3) **Credit Hours** Sociological insights concerning marriage and family systems. Dating, love, sex roles, and parenting. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 316 - Complex Organizations

(3) **Credit Hours** A critical survey of formal organizations and the social processes and behaviors associated with them. Authority, control, motivation, socialization, and alienation are among the areas to be discussed. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 352 - Principles of Research

(3) **Credit Hours** In-depth study of the basic steps and processes in scientific inquiry. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 353 - Applied Research Methodology

(3) **Credit Hours** Ethnographic research methods. Senior comprehensive research paper. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 358 - Urban America

(3) **Credit Hours** Historical development and demographic patterns of the city and its environs. Socio-cultural and ecological perspectives used to examine urban, suburban, and rural areas. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 360 - Urban Anthropology

(3) **Credit Hours** Introduction to the field of urban anthropology and to "the city" as an object of study. Explores urban life, culture and institutions by examining essays, ethnographies and films that reflect the research of observers of urban culture. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 362 - Technologies of Gender

(3) **Credit Hours** Examination of the ways in which women's bodies are both constructed and deconstructed in post modern culture and the ethical, social, and political implications of these processes for the well-being of women. We will focus on technologies of gender, i.e., those sets of cultural practices that make the body gendered. **Prerequisites:** Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level PHIL 100 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 365 - Class and Class Conflict

(3) **Credit Hours** Class, status, and power in social life. Systems of social inequality examined within a cross-cultural perspective. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 366 - Utopian Communities

(3) **Credit Hours** Course examines, in historical and contemporary settings, Utopian writings and actual attempts at establishing Utopian situations. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 375 - Sociology of Medicine/Healthcare

(3) **Credit Hours** Critical perspective on issues in the health status of populations and distribution of medical services in society. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 382 - Social Systems in the Life Cycle

(3) **Credit Hours** The importance of organizations, communities, society, and global influences in assessing human behavior in the social environment. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 398 - Internship: Social Service

(3) **Credit Hours** Examination of the processes and issues involved in social service programs through hands-on experience in a social service agency or organization. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 412 - Dynamics of Older Adults

(3) **Credit Hours** The process and experience of aging in social, political, and economic context. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCI 495 - Directed Study

(1 to 3) **Credit Hours** Opportunity to pursue a topic or project of individual interest. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Political Science and Sociology*

SOCW 101 - Introduction to Criminal Justice

(3) **Credit Hours** An overview of the history and legal basis of the criminal justice system, its structures, its functions and interface with the individual elements. **Levels:** Undergraduate *College of Social Sciences, Health and Education Social Work*

SOCW 167 - Survey of Society in Social Work

(3) **Credit Hours** The course is designed to offer students a basic knowledge and understanding of societal institutions and the core concepts, skills and activities necessary to practice within them. The course also examines the historical roots of the profession; social work interventions in practice, policy, and research; the knowledge, values, ethics and skills underpinning the practice of social work with diverse populations. Students will gain an understanding of the various roles social workers perform and the settings in which they practice. **Levels:** Undergraduate *College of Social Sciences, Health and Education Social Work*

SOCW 204 - Contemporary Social Problems

(3) **Credit Hours** A systematic study of major social problems in modern society. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 208 - Economics of Society

(3) **Credit Hours** A study of basic principles essential to understanding economic problems from a social point of view and the policy alternatives society may utilize to contend with these problems. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 221 - Juvenile Justice in a Changing Society

(3) **Credit Hours** A required course which emphasizes juvenile court philosophy and practices, prevailing case law, applicable federal and state legislation, historical and current trends and development of standards, alternatives to incarceration, and a comparison of the treatment of the juvenile offender in the juvenile justice system as opposed to the adult system. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 260 - Current Issues in Criminal Justice

(3) **Credit Hours** A required course which complements CJUS 101 Introduction to Criminal Justice; CJUS 103 Introduction to Corrections; CJUS 321 Juvenile Justice; and relates numerous current political and social issues to adult and juvenile corrections. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 261 - Social Psychology

(3) **Credit Hours** The individual's personality, attitudes, and behavior in multi-individual situations. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 264 - Social Change

(3) **Credit Hours** Studying alterations in cultural patterns, social structure, and social behavior. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 265 - Overview of Contemporary Corrections

(3) **Credit Hours** Compares historical and contemporary methodologies, presents and critiques jail and prison programs, applies court decisions to current practices, and generally analyzed institutional and non-institutional corrections in relation to today's social and political realities. Staff and inmate rights and responsibilities are presented within the context of ethical and legal requirements. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 270 - Families in Poverty

(3) **Credit Hours** Analyzes the causes and consequences of poverty for families in America. Antipoverty policy responses are also considered. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 299 - Child Welfare and Development

(3) **Credit Hours** This is a course designed to offer social work majors knowledge and understanding of human development from conception and birth through infancy, early childhood, and middle childhood for use in social work practice. Materials will stress both normative and problematic aspects of human behavior. A core of theories, concepts, skills, and information is given to prepare the student with knowledge for viewing human transitions through social interaction from conception through middle childhood. Biological, psychological, and social aspects of growth and development are examined using a systems orientation (e.g. the influences of family, groups, organizations, communities and society). In addition, special emphasis is given to the examination of child welfare and child welfare services. Pre-requisite: or Co-requisite: PSYC, SOCI 101 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 300 - Human Life Cycle II: Adolescence-Adult

(3) **Credit Hours** This course is designed to offer the student knowledge and understanding of human development from adolescence through death, stressing both normative and problematic aspects of human behavior. A core of concepts, skills, theories, and activities is provided to prepare the student with knowledge for viewing human transitions through social interaction from adolescent through death. Biophysical, psychological and social aspects of the adolescent/adult are given making the course appropriate for multi-disciplines including: social work, psychology, nursing, sociology, etc. An ecological-systems orientation for looking at the influences of family, groups, organizations, communities and society is used. Pre-requisite: SOCW 299 **Prerequisites:** Undergraduate level SOCW 299 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 310 - Family and Society

(0 to 2) **Credit Hours** A study of marriage preparation, partner selection, marital adjustment, family structure and functions, and marital dissolution. Current problems facing the family will be explored with an emphasis on macro and micro intervention strategies which may be employed for problem resolution. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 313 - Lifestyles in a Changing Society

(2 to 3) **Credit Hours** An in-depth study of American culture and the effects it has upon the relationship of the individual to the social order; a look at societal child-rearing practices, autonomy, and self-actualization. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 315 - Social Institution as a System

(3) **Credit Hours** This course serves as a required course for social work majors as well as an Ethics/Religion & Society fourth course elective. It is designed to offer students basic knowledge and understanding of the overall concept of social welfare in our society from the historical beginning to the present. The social institution of social welfare, and how it services and systems are implemented, is examined analyzed in relationship to five other social institutions: the political, economic, education, religious, and family institutions in America. Emphasis is placed on the influence of values and theories of poverty on the evolution of social welfare policies and programs. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 316 - Social Policy & Contemporary Issues

(3) Credit Hours Existing social welfare policy in light of current social issues, developing trends in social welfare policy and their impact on existing human needs. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 318 - Trends in Modern Society: Race Relations

(3) Credit Hours Causes, effects, and forms of racial prejudice and stereotyping, social conditions and attitudes, individual and structural consequences are examined. Fulfills Cultural Diversity Elective and Social Science elective. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 320 - Communication Skills Seminar

(1) Credit Hours The purpose of this course is to assist the student in developing professional communication skills for generalist social work practice in field. The course is designed as a skills lab, meaning that students will practice skills necessary for social work practice in the field. According to education policy 2.1.3 of the Council on Social Work Education EPAS (2008), "Social workers demonstrate effective oral and written communication in working with individuals, families, groups, organizations, communities, and colleagues." This course provides opportunities for students to develop a comprehensive array of communication skills for generalist practice. The course also serves as the feeder to field instruction in that students write a resume and engage in professional interviewing for field as well as select and confirm their field site for the senior year. **Co-requisites:** SOCW 415 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 325 - Women/Men: Myth & Reality

(3) Credit Hours Changing roles of men and women in American culture, sex roles, sex stereotyping, and socialization of the sexes. Social conditions and attitudes which affect the role and status of women and men in the institutions of society are explored. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 330 - Community Organizing

(3) Credit Hours A study of the theories, principles, and techniques of community organization with an emphasis on practical research. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 337 - Adolescent Crisis

(3) Credit Hours A study of the issues and problems of the adolescent. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 338 - Lesbian Gay Bisexual Transgender Queer Studies

(3) Credit Hours This course is designed to provide students with a foundation for understanding sexual identity in contemporary U.S. society and to introduce students to the field of lesbian, gay, bisexual and transgender (LGBT) studies. The course is organized around three general themes: identity development and the politics of identity; the historical legacy of LGBT movements; and contemporary political, legal, and social issues facing LGBTQ communities. Students will address key concepts and debates about sexuality through the lens of various disciplines, including sociology, history, literature, psychology, economics, and cultural studies. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 340 - Sexism and Racism in Society

(0 to 1) Credit Hours This course will explore the causes and effects of racial and gender stereotyping, prejudice, and discrimination on the individual, institutional, and cultural level. Emphasis will be on education, the workplace, interpersonal relations, and communication. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 348 - Intervention with Abused Child

(0 to 1) Credit Hours This course is designed to acquaint the student with the different types of child abuse, family dynamics, and profiles of victims and offenders. Knowledge of various intervention strategies will be imparted. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 350 - Treating Sex Offenders & Victims

(0 to 1) Credit Hours This workshop will explore treatment issues and approaches for working with sex offenders, victims, and other family members. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 352 - Research Methodology

(3) Credit Hours An in-depth study of the basic steps and processes in scientific inquiry. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 382 - Social Systems in the Life Cycles

(2) Credit Hours The importance of organizations, communities, society, and global influences in assessing human behavior in the social environment. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 395 - Directed Study

(1 to 3) Credit Hours Individualized study in an area of faculty expertise. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 402 - Child Abuse

(3) Credit Hours Designed to acquaint the student with the various forms of child abuse and neglect. Family dynamics and characteristics of offenders and victims will be studied. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 404 - Religion, Ethics, and Professional Practice

(3) Credit Hours This course will enable students to recognize and appropriately respond to religious, spiritual, and ethical issues that arise in the context of professional practice in the fields of social work, criminal justice, nursing, psychology and occupational therapy. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 407 - Addiction: An Epidemic

(0 to 1) Credit Hours Various forms of addiction are becoming the leading social problems of this century. An overview of addiction will be imparted as well as specific manifestations such as sex, gambling, eating disorders, and drugs. The impact of addiction on the individual, family, and society will be discussed. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 408 - Women & Societal Violence

(0 to 1) Credit Hours A historical perspective on violence against women. Modern day forms of violence against women and intervention will be studied. Prosecution of cases will be presented and treatment strategies for offenders will be explored. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 409 - Group Dynamics

(3) Credit Hours In depth consideration of basic dynamics and processes operating in groups and various strategies used in the group approach as they relate to educational, business, social and personal interactions and problems. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 414 - Child & Adolescent Chronic Illness

(1) Credit Hours This intensive course will examine the child and adolescent with chronic illness and discuss treatment approaches from a multi-disciplinary or bio-psycho-social intervention model. The instructor will draw upon extensive experience and observations from working in clinics, hospitals or in the field with children who have been diagnosed with such disorders as: cancer, hemophilia, AIDS, diabetes, sickle cell anemia, endocrine/growth problems, cleft palate, genetic anomalies, mental health DSM-IV disorders, as well as children with multiple handicaps and disabilities. Emphasis will be given to practical ways counselors and other mental health professionals and teachers can build and maintain therapeutic relations with children who have been dealt this difficult challenge of handling a chronic or life threatening illness. Additionally, this course will give special attention to identifying needs, assessing, and treating families and siblings of children who have a chronic illness. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 415 - Theory & Methods of Social Work Practice I

(3) **Credit Hours** Theories and bodies of knowledge as basis for social work intervention. Values and skills associated with the practice of social work. Emphasis is placed on individuals, families, and groups. Pre-requisite: SOCW 167, SOCW 299, SOCW 315, SOCW 300. **Prerequisites:** Undergraduate level SOCW 167 Minimum Grade of D and Undergraduate level SOCW 315 Minimum Grade of D and Undergraduate level SOCW 299 Minimum Grade of D **Co-requisites:** SOCW 300 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 416 - Theory and Methods of Social Work Practice II

(3) **Credit Hours** Knowledge and application of the fundamentals of social work practice, the problem-solving process, effective use of self as an agent of change. Emphasis is placed on organizations, communities, and society. Pre-requisite: SOCW 415 **Prerequisites:** Undergraduate level SOCW 415 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 417 - Social Work Field Instruction

(4) **Credit Hours** Students are provided with an opportunity to work directly with clients in an existing social service agency under the supervision of a skilled practitioner. Pre-requisite: SOCW 320, & SOCW 415, Co-requisite: SOCW 416 SOCW 419 **Prerequisites:** Undergraduate level SOCW 415 Minimum Grade of D and Undergraduate level SOCW 320 Minimum Grade of D **Co-requisites:** SOCW 416, SOCW 419 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 418 - Social Work Field Instruction

(4) **Credit Hours** Students are provided with an opportunity to work directly with clients in an existing social service agency under the supervision of a skilled practitioner. Pre-requisite: SOCW 320, SOCW 415, SOCW 416, SOCW 417, and SOCW 419. Co-requisite: SOCW 420 **Prerequisites:** Undergraduate level SOCW 415 Minimum Grade of D and Undergraduate level SOCW 417 Minimum Grade of D and Undergraduate level SOCW 419 Minimum Grade of D and Undergraduate level SOCW 320 Minimum Grade of D and Undergraduate level SOCW 416 Minimum Grade of D **Co-requisites:** SOCW 420 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 419 - Social Work Seminar

(2) **Credit Hours** Designed to provide the student with an opportunity to integrate the knowledge and theory acquired in the classroom with the experiential learning gained from actual work experience. Pre-requisite: SOCW 320 and SOCW 415. Co-requisite: SOCW 416 and SOCW 417. **Prerequisites:** Undergraduate level SOCW 320 Minimum Grade of D and Undergraduate level SOCW 415 Minimum Grade of D **Co-requisites:** SOCW 416, SOCW 417 **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 420 - Social Work Seminar

(2) **Credit Hours** Designed to provide the student with an opportunity to integrate the knowledge and theory acquired in the classroom with the experiential learning gained from actual work experience. Pre-requisite: SOCW 320, SOCW 415, SOCW 416, SOCW 417, SOCW 419; Co-requisite: SOCW 418 **Prerequisites:** Undergraduate level SOCW 320 Minimum Grade of D and Undergraduate level SOCW 415 Minimum Grade of D and Undergraduate level SOCW 417 Minimum Grade of D and Undergraduate level SOCW 419 Minimum Grade of D and Undergraduate level SOCW 416 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 424 - Research Paper

(1) **Credit Hours** A research paper is completed in a substantive area important to social work. Pre-requisite: SOCW 352 **Prerequisites:** Undergraduate level SOCW 352 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 432 - Research & Clinical Issues: Severely Mentally Disabled Population

(3) **Credit Hours** A survey of the chronic patients with severe emotional problems, etiology, diagnosis, and treatment issues. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 444 - Addictive Behaviors

(3) **Credit Hours** Examination of addiction theory and process through comparison of varieties of substance and process addictions. Pre-requisite: PSYC 101, SOCI 101, SOCW 167, or permission of instructor. **Prerequisites:** Undergraduate level PSYC 101 Minimum Grade of D or Undergraduate level SOCI 101

Minimum Grade of D or Undergraduate level SOCW 167 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 463 - Counseling Challenging Youth

(1) **Credit Hours** Workshop participants will learn a number of practical strategies for building and maintaining therapeutic relationships with challenging youth and families. The strategies will be formatted around six guiding principles common to most human services professionals who successfully engage this population. Participants will be challenged to assess their own attitudes, beliefs, and behaviors related to challenging youth via lecture, demonstrations, small group activities, and role plays. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 472 - Marital & Family Therapy

(2) **Credit Hours** Provides an overall introduction into marital and family therapy in teaching a range of psychological disorders. Acquaints the student with the latest advances in assessment and therapeutic intervention procedures from a marital and family therapeutic perspective. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 483 - Working with Difficult or Tough Children

(1) **Credit Hours** Identification, assessment and treatment procedures useful in working therapeutically with a range of psychological disorders experienced by children and adolescents. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SOCW 484 - Gestalt Therapy

(1) **Credit Hours** Introduction to theoretical foundations and therapeutic techniques of Gestalt therapy with particular emphasis on experimental learning. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Social Work*

SPAN 101 - Elementary Spanish I

(3) **Credit Hours** An introduction to basic language skills emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness. **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

SPAN 102 - Elementary Spanish II

(3) **Credit Hours** The second semester elementary course which is a continuation of SPAN 101. Pre-requisite: SPAN 101 (unless waived). **Prerequisites:** Undergraduate level SPAN 101 Minimum Grade of D or Placement - Spanish 102 or Graduate level EDMS 999 **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

SPAN 201 - Intermediate Spanish I

(3) **Credit Hours** The first semester intermediate course which is a continuation of SPAN 102 with a particular emphasis on the development of more creative use of the language. {re-requisite: SPAN 102 (unless waived) **Prerequisites:** Undergraduate level SPAN 102 Minimum Grade of D or Placement - Spanish 201 or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 202 - Intermediate Spanish II

(3) **Credit Hours** The second semester intermediate course emphasizing reading and writing skills through the study of authentic materials dealing with the Hispanic world. Pre-requisite: SPAN 201 (unless waived) **Prerequisites:** Undergraduate level SPAN 201 Minimum Grade of D or Placement - Spanish 202 or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 205 - Hispanic Literature & Moral Imagination

(3) **Credit Hours** An examination of ethical and moral issues from the literature of the Spanish-speaking world that illuminate contemporary society. Course given in translation does not fulfill requirements for Spanish major or minor. Fulfills E/RS focus Lit and the Mmoral Imagination requirement. Pre-requisite: PHIL 100 or THEO 100; Co-requisite: PHIL 100 or THEO 111. **Prerequisites:** (Undergraduate level ENGL 101 Minimum Grade of D or Undergraduate level ENGL 115 Minimum Grade of D) and Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 300 - Advanced Spanish I

(3) **Credit Hours** A language development course which emphasizes equally listening, speaking, reading, writing, and cultural aspects with an extensive grammar review. Pre-requisite: SPAN 202 or its equivalent. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 301 - Advanced Spanish II

(3) **Credit Hours** This course offers advanced and comprehensive structure of the Spanish language, emphasizing listening, writing, reading, and cultural aspects. Pre-requisite: SPAN 202 or equivalent **Prerequisites:** Undergraduate level SPAN 202 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 302 - Spanish Conversation

(3) **Credit Hours** Designed for the development of speaking and listening skills through active participation by students. Discussions and activities are based on contemporary issues. Pre-requisite: SPAN 300 or SPAN 301 or equivalent. **Prerequisites:** Undergraduate level SPAN 300 Minimum Grade of D or Undergraduate level SPAN 301 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 303 - Spanish Composition

(3) **Credit Hours** Designed for the development of both formal and informal writing skills. Types of writing include journal, letter, summary, and analytical. Pre-requisite: SPAN 300, SPAN 301 or its equivalent. **Prerequisites:** Undergraduate level SPAN 300 Minimum Grade of D or Undergraduate level SPAN 301 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 304 - Spanish Vocabulary in Context

(3) **Credit Hours** Study of technical and functional vocabulary in selected situations not found in traditional textbooks. Pre-requisite: SPAN 300, SPAN 301 or its equivalent **Prerequisites:** Undergraduate level SPAN 300 Minimum Grade of D or Undergraduate level SPAN 301 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 305 - Readings in Spanish

(3) **Credit Hours** Readings from literary and nonliterary sources chosen to improve reading skills, with continued practice of listening, speaking and writing skills. Pre-requisite: SPAN 300, SPAN 301 or equivalent. **Prerequisites:** Undergraduate level SPAN 300 Minimum Grade of D or Undergraduate level SPAN 301 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 306 - Business Spanish

(3) **Credit Hours** Development of the four skills in the context of the contemporary Hispanic business world by readings, discussions, and written practice. Emphasis on the terminology of commercial Spanish. Pre-requisite: SPAN 300, SPAN 301 or its equivalent. **Prerequisites:** Undergraduate level SPAN 300 Minimum Grade of D or Undergraduate level SPAN 301 Minimum Grade of D or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 325 - History of the Spanish Language

(3) **Credit Hours** Study of the evolution and development of the Spanish language from Latin to present day Spanish. Students MUST take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305, and 306. **Prerequisites:** Prereq for SPAN Upper Lvl **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 326 - Spanish Language for Teachers

(3) **Credit Hours** Study of the Spanish language designed to increase knowledge and competence through discussion and practice of language usage. Students MUST take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305, and 306. **Prerequisites:** Prereq for SPAN Upper Lvl **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 328 - Phonetics and Dialectology

(3) Credit Hours Study of the phonetic system of the Spanish language, including transcription and identification of dialectical features. Students MUST take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305, and 306. **Prerequisites:** Prereq for SPAN Upper Lvl **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 329 - Spanish for Elementary Teachers

(3) Credit Hours Emphasis placed on continued development of oral proficiency and a strong vocabulary base essential of thematic units. Program models, theories of first and second language acquisition, appropriate activities, and the principles of thematic planning will be investigated. Field experiences involving on-campus teaching of unit designs are an integral part of the course. Students MUST take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305 and 306. **Prerequisites:** Prereq for SPAN Upper Lvl **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 330 - Methods Curriculum and Assessment In Foreign Languages

(3) Credit Hours This course provides an introduction to curriculum content, teaching methodologies and assessment techniques as they pertain to candidates preparing for initial licensure in the teaching of foreign languages. Field experiences will also be incorporated into the course curriculum. Individual interview with instructor is required prior to registering for course. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 350 - Spanish Civilization

(3) Credit Hours Representative culture and history of Spain. Students MUST take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305, and 306. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 351 - Latin-American Civilization I

(3) Credit Hours Representative culture and history of Latin America from its beginnings to the independence. Students MUST take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305, and 306. **Prerequisites:** Prereq for SPAN Upper Lvl **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 352 - Latin American Civilization II

(3) Credit Hours Representative culture and history of Latin America from independence to the present. Students MUST take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305, and 306. **Prerequisites:** Undergraduate level SPAN 300 Minimum Grade of D or Undergraduate level SPAN 301 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 353 - Introduction to Latin American Studies

(3) Credit Hours An introduction to Latin American Studies concentrating on historical, sociopolitical and cultural issues. Taught in English. Does not count towards major, minor, or language certification in Spanish. Fulfills the E/RS Focus elective. Pre-requisite: or Co-requisites: PHIL 100 and THEO 111. **Prerequisites:** (Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D) or Graduate level EDMS 999 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 358 - Central America Society and Culture

(3) Credit Hours This course is designed for students on the Nicaragua Service Learning Semester (there will also be courses in Spanish language, literature, theology, and service learning). Starting from the belief that culture and society are better understood in relation to the historical, sociopolitical, economic, and religious context, this course will provide an introduction to these major topics as well as to the art, music, and literature of the Central American region (focusing primarily on Nicaragua and El Salvador). It is also designed to help students integrate all aspects of their experience during the semester. Two major focii within this will be to examine the role of the Church (in conjunction with your theology class) and the United States' influence and actions in the area. This will be done from the perspective of different groups in the U.S. and Central America. We will discuss both positive and negative aspects of the U.S. relationship with Central America and the issues involved (political, economic, ethical, and moral). We will also discuss what we as individuals might do to ensure that, in this new century, the attitudes, policies, and actions of our country might be more coherent and responsible. This course would count for the Latin American Studies minor, and an E/R&S or Peace Studies elective. Only if the majority of the reading and all the written work is done in Spanish with an extra discussion section in Spanish would it count for a Spanish major or minor (Section 02). **Prerequisites:** Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level HIST 151 Minimum Grade of D and Undergraduate level SPAN 102 Minimum Grade of D and Undergraduate level UNST 200 Minimum Grade of D **Co-requisites:** UNST 300 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 370 - Introduction to Literary Analysis and Criticism

(3) Credit Hours SPAN 370 is an advanced course for students who have taken SPAN 300 and/or SPAN 301 and are preparing to take a 400-level literature course. In the class, we will read selections of different cononical and non-cononical works by Spanish and Latin American authors and learn how to apply a series of distinct literary analytical tools that stem from--but are not limited to--a variety of theoretical perspectives (including postcolonial, feminist, neoliberal, and marxist points of reference, for example). The unique characteristics of each individual literary genre (poetry, the novel, the short story, the essay, and theatre) will also be studied, as well as the history of literary criticism in Spain and Latin America. **Prerequisites:** Undergraduate level SPAN 303 Minimum Grade of D or Undergraduate level SPAN 300 Minimum Grade of D or Undergraduate level SPAN 301 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 415 - Hispanic Literature in the Classroom

(3) Credit Hours Study of strategies for integrating literature with language and culture in the secondary Spanish classroom. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 421 - Spanish Literature & Civilization I

(3) Credit Hours A chronological study of Spanish literature and civilization from medieval period through the 17th century. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 422 - Spanish Literature & Civilization II

(3) Credit Hours A continuation of SPAN 421 covering the 18th and 19th centuries. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 423 - Spanish Literature & Civilization III

(3) Credit Hours A continuation of SPAN 422 covering the 20th century. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 427 - Spanish-American Literature & Civilization I

(3) Credit Hours A chronological study of Spanish-American literature and civilization from the colonial period through the 18th century. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 428 - Spanish-American Literature & Civilization II

(3) Credit Hours A continuation of SPAN 427 covering the 19th and early 20th centuries. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 429 - Spanish-American Literature & Civilization III

(3) Credit Hours A continuation of SPAN 428 covering the latter part of the 20th century. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 433 - Spanish Literature of Golden Age

(3) Credit Hours Representative author(s) and genre(s) of the 16th and 17th centuries. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 436 - 19th Century Spanish Literature

(3) Credit Hours Representative authors and works of romanticism, realism, and naturalism. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 439 - 20th Century Spanish Literature

(3) Credit Hours Representative authors and genres from the Generation of 1898 to the present day. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 440 - Hispanic Poetry

(3) Credit Hours Representative Spanish and Spanish-American poets. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 444 - 19th Century Spanish-American Literature

(3) Credit Hours Representative author(s) and genre(s). Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 445 - 20th Century Spanish-American Literature

(3) Credit Hours Representative author(s) and genre(s). Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 450 - Hispanic Literature

(3) Credit Hours Analysis of excerpts from representative authors. Students **MUST** take at least two courses above SPAN 306 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 495 - Directed Study: Language

(0 to 6) Credit Hours Independent study. Students have successfully completed SPAN 202 before enrolling in this course. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 496 - Directed Study: Culture/Civilization

(0 to 6) Credit Hours Independent study. Students **MUST** take at least two of the following before enrolling in this course: SPAN 300, 301, 302, 303, 304, 305, and 306. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 497 - Directed Study: Literature

(0 to 6) Credit Hours Independent study. Students **MUST** have successfully completed two courses above SPAN 306. **Prerequisites:** Prereq for SPAN Upper Lvl 2 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 499 - Senior Research Project

(1) Credit Hours Research for senior project is required for all majors in Spanish. Most of the required upper-division coursework for the major must be completed before enrolling in this course. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Modern Languages*

SPAN 615 - Hispanic Literature in the Classroom

(3) Credit Hours Study of strategies for integrating literature with language and culture in the secondary Spanish classroom. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 625 - History of the Spanish Language

(3) Credit Hours Study of the evolution and development of the Spanish language from Latin to present day Spanish. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 626 - Spanish Language for Teachers

(3) **Credit Hours** Study of the Spanish language designed to increase knowledge and competence through discussion and practice of language usage. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 628 - Phonetics & Dialectology

(3) **Credit Hours** Study of the phonetic system of the Spanish language, including transcription and identification of dialectal features. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 629 - Elem Spanish for Teachers

(3) **Credit Hours** Emphasis placed on continued development of oral proficiency and a strong vocabulary base essential of thematic units. Program models, theories of first and second language acquisition, appropriate activities, and the principles of thematic planning will be investigated. Field experiences involving on-campus teaching of unit designs are an integral part of the course. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 695 - Directed Study: Language

(1 to 3) **Credit Hours** Independent study. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 696 - Directed Study: Culture/Civilization

(0 to 6) **Credit Hours** Independent study. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 697 - Directed Study: Literature

(1 to 3) **Credit Hours** Independent study. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPAN 700 - Graduate Research: Spanish

(3) **Credit Hours** Research for the M.A. **Levels:** Graduate *College of Arts and Sciences Modern Languages*

SPMG 110 - Introduction to Sports Management

(3) **Credit Hours** Management of programs in physical activities. Intercollegiate and interscholastic athletics. Professional sports. Recreational sports. Corporate fitness. Health clubs, country clubs, and other activity centers. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 132 - Sociology of Sport

(3) **Credit Hours** Impact of sport on society. The social structures. The integration of sport with other social institutions. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 141 - Issues Affecting Student-Athletes

(1) **Credit Hours** Personal and social issues such as time management, note and test taking, goal setting, alcohol/drug awareness. Knowledge and discussion of NCAA and Xavier Athletic Department regulations, Sports Nutrition, Title IX, and gender equity. **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 195 - History of American Sport

(3) **Credit Hours** The course provides an overview of the history, as well as the social, political, cultural, technological and economic trends that have shaped the sport industry in the United States. Particular emphasis is placed on the period from 1800 to the present. **Course Attributes:** Gender & Diversity Studies Min **Levels:** Undergraduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 250 - Professional Development in Sport Management

(3) Credit Hours The course is designed to prepare students to enter the sport industry. It is focused on identifying industry trends and their effect on employment in the field, exploring career paths and developing effective job search skills. **Restrictions:** Must be enrolled in one of the following Majors: Sport Management
Levels: Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 280 - Contemporary Coaching: Issues & Trends

(3) Credit Hours As sport continues to take a more prominent role in our society, community base sport will assume a stronger role in sport education. It is therefore incumbent of institutions who prepare individuals to be productive and contributing members of society, to educate them about sport development through a sound coaching education program. Coaching education from this perspective is viewed as a social responsibility of an institution of higher learning.
Levels: Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 310 - Introduction to Sport Marketing

(3) Credit Hours Career opportunities in the sports industry. The evolution of the field and its place in our economy. Marketing plan, current trends. Marketing mix, sponsorships, special event fundraising, public relations, promotions, television, sports products. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 322 - Facility & Event Management

(3) Credit Hours Planning and managing athletic, physical education, recreation and other sport facilities. Basic concerns in developing and organizing events in sports areas. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 348 - Legal & Ethical Issues in Sport

(3) Credit Hours Basic legal principles affecting the management of physical activity and sports programs. Liability, negligence and risk assessment. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 360 - Sport Finance & Economics

(3) Credit Hours Concerns financial matters and business issues relating to the sport industry. Focus on awareness and understanding of basic financial responsibilities, a working vocabulary of financial terms, financial concepts and issues. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 370 - Basic Aquatics & Pool Management

(2) Credit Hours Basic aquatic skills and pool management. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 377 - Sport Psychology

(3) Credit Hours Sport situations and of the science of psychology. The mental side of sports. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 410 - Sport Ethics

(3) Credit Hours This course is designed to provide an examination and discussion of ethical, managerial and moral issues related to individuals who work and participate in the area of sport and physical activity. **Course Attributes:** Gender & Diversity Studies Min **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 495 - Internship in Sport Management

(3 to 9) Credit Hours Field experience within an area of interest. A total of 600 clock hours are required, which may be divided into three blocks of 200 hours. Culminating experience which may begin during the summer of a student's senior year. Internship site selection is a cooperative effort between the student and the advisor. Comprehensive portfolio is required. **Levels:** Undergraduate, Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 521 - Introduction to Sport Administration

(3) Credit Hours Past, current and future trends in the field of sport management. Administrative theory, function, and application within the field of sport management. **Restrictions:** Must be enrolled in one of the following Levels: Graduate **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 522 - Sport Research & Statistics

(3) Credit Hours This course is designed to introduce students to research methods and basic statistics associated with the field of sport and physical activity. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 523 - Sports Administration Seminar

(3) Credit Hours Current issues. Topics by guest practitioners. The diversity of the sport industry. Careers, position demands, and trends. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 570 - Psycho-Social Aspects of Sport

(3) Credit Hours An introduction of the sociological and psychological aspects of sport in society and how it relates to individuals, groups, and organizations. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 595 - Sports Administration Marketing

(3) Credit Hours The evolution of the field, its place in our economy, a marketing plan, current trends, case histories. Proposals offered by promoters. Career in sport marketing. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 596 - Sports Administration: Finance

(3) Credit Hours Sport and athletic/not-for-profit budgets-program based, project based, and line-item based. Formulating budgets. Budgeting cycles, political ramifications imposed and utilized in the federal cycle, fiscal year, and reserves. Financial markets, cash management, and municipal underwriting of recreation and parks facilities. Scale sheets, bond issues, BAN, VKX, sinking fund, etc. Grant-writing. Sources of funding, and endowment foundations. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 598 - Legal & Ethical Issues in Sport & Physical Education

(3) Credit Hours Legal and ethical issues with regard to youth, school, college, amateur and professional sports. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 610 - Sport Ethics

(3) Credit Hours An online course designed to provide an examination of ethics, morality, and philosophy as it relates to modern sport. Discussions will revolve around the myths and paradoxes of sport, identifying and resolving ethical dilemmas and what it means to be a morally responsible sportsperson. Specific focus will address the application of the Integrated Coaching and Sport Education Model (I-CASE) developed by Quinn (2007) to school and community based sport. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 622 - Personnel Issues in Sport Management

(3) Credit Hours Personnel functions. Job analysis, job description, recruitment, employee selection and retention, EEOC and affirmative action, staff morale and development, leadership and organizational culture, job performance/evaluation and mentoring. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 625 - High School Athletic Administration

(3) Credit Hours Current issues facing today's high school athletic director such as: student-athletes, faculty, staff development, administration, budget, and community relations in the operation and management of a high school athletic department. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 632 - Sport Event Management & Promotion

(3) Credit Hours Operating special events with an emphasis on sports events. Administrative procedures, operational techniques, hospitality, public relations and marketing, and technical services. Practical application on scheduled events. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 642 - Sport Fundraising

(3) Credit Hours The course is designed to expose students to fundraising and philanthropy as they relate to sport. The focus is on fundraising principles, programs and activities as well as providing an understanding of contemporary issues as they relate to sport fundraising management. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 652 - NCAA: Rules, Regulations, and Policies

(3) Credit Hours The development of collegiate sport and the NCAA from 1906-present. Critical issues facing collegiate sport today. The NCAA constitution, by-laws, and administrative structure. Comprehensive knowledge of the operating by-laws and operational differences between Division I, II, III. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 654 - Women in Sport

(3) Credit Hours Cultural, social-psychological, and physiological issues related to gender that influence the nature and extent of involvement. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 662 - Public Relations and Communication in Sport

(3) Credit Hours The relationship between public relations practitioners and the media. The art of writing a press release. Coordination of a press conference. Advertising/marketing campaigns. Organization of special events. Management of a public relations crisis. Career opportunities. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 664 - Facility Design & Planning

(3) Credit Hours Planning and managing athletic, physical education, recreation, and other sport facilities. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 666 - Fitness Management

(3) Credit Hours Planning, organizing, and effectively managing the administration of health related fitness programs. Leadership characteristics, organizational strategies, proven business techniques. Diverse and multiple perspectives of contemporary administrative management for fitness. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 668 - Administration of Fitness & Wellness Programs

(3) Credit Hours Development and administration of current fitness and wellness principles. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 670 - Independent Study

(1 to 3) Credit Hours Investigate an area of student interest within the sport industry. Advisor's approval. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 692 - Sport Administration Research Project

(3) Credit Hours Research project. Guidance from a faculty member. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

SPMG 695 - Internship in Sport Administration

(3 to 6) Credit Hours The internship may be taken after successfully completing 15 semester hours. Will select either a three credit (200 clock hours) or six credit (400 clock hours) internship experience. Internships are planned and supervised learning activities. Take place in a sport industry. **Levels:** Graduate *College of Social Sciences, Health and Education Sport Studies*

STAT 210 - Statistics For Business I

(3) **Credit Hours** Statistics for Business I is designed to make students familiar with: descriptive statistics, basic probability, normal distribution, confidence intervals, regression, correlation, hypothesis tests, and analysis of categorical data within the context of business data; including the use of technology appropriate to business applications of these statistical concepts. **Prerequisites:** (Course or Test: INFO 200 May not be taken concurrently.) or (Course or Test: INFO 301 May not be taken concurrently.) and (Course or Test: MATH 120 May not be taken concurrently.) or (Course or Test: MATH 150 May not be taken concurrently.) or (Course or Test: MATH 170 to 171 May not be taken concurrently.) or (Course or Test: MATH 220 May not be taken concurrently.) or (MATH 150 to 999 May not be taken concurrently.) **Restrictions:** Must be enrolled in one of the following Majors: Accounting Business Undecided Economics Economics Entrepreneurial Studies Finance Human Resources International Business Information Systems **Levels:** Undergraduate *Williams College of Business Mathematics and Computer Science*

STAT 211 - Statistics For Business II

(3) **Credit Hours** Descriptive statistics, sampling and statistical inference within the context of business applications. Simple and multiple regressions, including residual analysis and multicollinearity problems. Additional topics may include analysis of variance and time-series forecasting models. **Prerequisites:** Undergraduate level STAT 210 Minimum Grade of D or Undergraduate level MATH 156 Minimum Grade of D **Levels:** Undergraduate *Williams College of Business Management Information Systems*

STAT 500 - Business Statistics

(3) **Credit Hours** Descriptive statistics, statistical inference, linear regression, auto correlation analysis and forecasting models. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

STAT 721 - Statistics for Managers

(2 to 3) **Credit Hours** Models and formulas of descriptive and inferential statistics are presented using Microsoft Excel software, with an emphasis on the business applications of each. Requires admission to the Executive MBA program **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business Must be enrolled in one of the following Majors: Management **Levels:** Graduate *Williams College of Business Management Information Systems*

STAT 801 - Managerial Statistics

(3) **Credit Hours** Descriptive statistics, statistical inference, linear regression, auto correlation analysis and forecasting models. **Restrictions:** Must be enrolled in one of the following Levels: Graduate Must be enrolled in one of the following Colleges: Williams College of Business **Levels:** Graduate *Williams College of Business Management Information Systems*

THEO 111 - Theological Foundations

(3) **Credit Hours** A basic study of human and religious faith, especially the Christian faith, the connection between faith and religion, the personal and social value of religion, the diversity of world religions, and the issues connected with religious diversity and global responsibility; a basic understanding of Theology and how it relates to faith, along with different ways of reading scripture and tradition and how those readings affect issues of gender, class, race, violence, evil, and sin. Required course for E/RS. **Levels:** Undergraduate *College of Arts and Sciences Theology*

THEO 203 - The Eastern Orthodox Church

(3) **Credit Hours** This course is designed as a detailed survey meant to familiarize the students with the history of the Orthodox Church over the course of its existence from the day of Pentecost to the present. The first half of the course (culminating in a Mid-term Exam) will deal primarily with the history of the Orthodox Church. The second half of the course (culminating in a Final Exam) will concentrate on the theology of the Orthodox Church comprehensively understood - doctrine, spiritual life, liturgy, iconography, moral/ethical issues, etc. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 205 - Christian Mysticism

(3) **Credit Hours** This course enables the students to explore the mystical traditions and their implications for theology and spirituality. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 206 - Christian Worship

(3) **Credit Hours** Ritualization of the Christian experience in Word and Eucharist. Ritualization of Christian initiation, reconversion, marriage, ministry, illness, death, and burial. The arts in ritual. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 207 - Jesus and Power

(3) **Credit Hours** This course examines Jesus in light of the power dynamics within first century biblical and modern social worlds. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 208 - Mystery of Christ

(3) **Credit Hours** In a world of many religions, how can Christians continue to speak about the uniqueness of Jesus? Explored against the background of Christian scripture/tradition and contemporary interreligious dialogue. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 209 - The Christian Tradition I

(3) **Credit Hours** Examines major theological themes of the Christian Tradition from its beginnings until the 15th Century. Blends theological analysis with intellectual and social history. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 210 - The Christian Tradition II

(3) **Credit Hours** A study of key theological themes from the end of the Middle Ages to the twenty-first century. Blends theological analysis with intellectual and social history. **Prerequisites:** THEO 111 **Course Attributes:** Catholicism & Culture Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 211 - The Dead Sea Scrolls

(3) **Credit Hours** An introduction to the Dead Sea Scrolls, their history, and their impact on biblical criticism. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 213 - Contemporary Protestant Theology

(3) **Credit Hours** An overview of Protestant theological thinking, with a particular focus on trends and leading Protestant theologians of the 20th and 21st centuries. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 217 - Introduction to the Church Fathers

(3) **Credit Hours** The Fathers of the first five centuries. The Church's defense against pagans and heretics. Confrontation with the Empire. Development of doctrine. **Prerequisites:** THEO 111 **Course Attributes:** Catholicism & Culture Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 219 - Christianity in the Americas

(3) **Credit Hours** This course surveys the history, belief, lifestyle, ritual, and organization of various Christian groups in the Americas. The survey of these Christian groups will be complemented by investigation into specific spiritual journeys of individual citizens. Throughout the course special attention will be given to justice issues, including the role of women and matters of race. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 222 - Christian Life and Celebration

(3) **Credit Hours** Theology of the Christian life; liturgy, religious psychology, secular involvement, the Christian virtues, prayer, Christian community. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 223 - Sacraments Today

(3) Credit Hours Meaning of sacraments in general and Catholic sacraments in particular. Historical and theological development of the seven ecclesiastical sacraments and their place in contemporary liturgical, pastoral, and spiritual renewal. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 224 - Saints & Heretics

(3) Credit Hours Explores the relationship between the heterodoxy and orthodoxy in the development of Christian doctrine. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 225 - History of Christian Monasticism

(3) Credit Hours Designed to introduce the variety of forms of Christian spiritual practices and their influence on the development of the Western Christian tradition. Special attention to developments in Christian monasticism during the third, twelfth/thirteenth, sixteenth, and twentieth centuries. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 227 - The Catholic Reformation

(3) Credit Hours This course examines the development of the Catholic tradition in the sixteenth century, identifying elements of change and continuity as Europe faced challenges of religious reform, nationalism, and political upheaval. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 229 - Why a Church?

(3) Credit Hours This course explores the need for and origin of the church. It also examines contemporary theories about the proper tasks and mission of the church in the context of individual and social needs. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 230 - Church After Vatican II

(3) Credit Hours A study of the key documents of Vatican II, highlighting the key ideas which deeply affected the Catholic Church over the following decades. An overview of the developments which grew out of the Council in such areas as Catholic identity, leadership, ministry, liturgy, social awareness and relationship with other faiths. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 232 - Approaches to God

(3) Credit Hours Divine transcendence and the possibilities of human knowledge and experience of God. Contemporary problems of belief, unbelief, atheism, and images of God. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 233 - Understanding Catholicism

(3) Credit Hours A study of the central Catholic doctrines, showing the historical conditions from which they arose and discussing their meaning for thoughtful people today. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 234 - The Reformation

(3) Credit Hours Protestant, Catholic, and "Anabaptist" attempts to revitalize a Christianity insufficiently Christian. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 236 - Jesuit Theology & Spirituality

(3) Credit Hours An exploration of St. Ignatius's vision of "finding God in all things" through the lives and thought of twentieth century Jesuits who have had a profound impact on the global church of the twenty-first century. Special attention will be given to the vital relationship in Jesuit theology and spirituality between the mystical experience of God in all things and the commitment to justice, dialogue, and peace. **Prerequisites:** THEO 111 **Course Attributes:** Catholicism & Culture Minor, ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 237 - The Papacy

(3) Credit Hours Study of the origin of the papacy and its later historical development, with attention to the theological, social, and political dimensions of the institution. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 238 - US Catholicism: Past & Present

(3) **Credit Hours** Explores the role of the Catholic Family, the response of Catholics to slavery and racism, the development of Catholic schools, the encounter of Catholicism with the larger culture, the tradition of Catholic social justice, and the growth of the local Ohio church. **Prerequisites:** THEO 111 **Course Attributes:** Catholicism & Culture Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 239 - Church and Revolution

(3) **Credit Hours** A study of the development of the Church's social teachings as they apply to political issues. Special attention to the revolutions and revolutionaries of modern times. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 241 - Biblical Greek

(3) **Credit Hours** Study of the language and theology of the Greek New Testament. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 245 - God, Creation & Ecology

(3) **Credit Hours** To better understand the environment and the harm being done to it. To better integrate Christian beliefs with environmental concerns. **Prerequisites:** THEO 111 **Course Attributes:** Environmental Studies Minor, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 247 - God On the Underground Railroad

(3) **Credit Hours** Course explores the role of faith in the antebellum movement of slaves toward freedom along what came to be known as the Underground Railroad. The spiritual journey of numerous slaves, slaveholders, and so-called friends of the fugitive (both white and black agents of the Underground Railroad) will be traced in order to illustrate the role that God played in this quest for justice. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 248 - The English Reformation

(3) **Credit Hours** An examination of the historiography of the English Reformation and of the political, social, and religious backgrounds of the reformation in England from the late Middle Ages through the reign of Elizabeth I. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 249 - God in Evolution

(3) **Credit Hours** The possibilities offered by process theology for a contemporary interpretation of traditional Christian belief in the Trinity, Creation, Redemption, Church, and Sacraments. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 250 - Introduction to Scripture

(3) **Credit Hours** Introduction to historical, literary, and religious development of both Old and New Testaments with emphasis on the use of the tools of scripture study. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 251 - Introduction to Hebrew Scriptures

(3) **Credit Hours** An introduction to the literature of the Hebrew Bible, its interpretation, and theological import. The student will acquire tools for the critical analysis of Scripture as well as explore the Hebrew Bible's historical, sociological, and cultural contexts. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 252 - Introduction to Christian Scriptures

(3) **Credit Hours** An introduction to the literature of the New Testament, its interpretation, and theological import. The student will acquire tools for the critical analysis of Scripture as well as explore the Christian Bible's historical, sociological, and cultural contexts. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 253 - Psalms and Wisdom Literature

(3) **Credit Hours** Study of the psalms: their literary composition and theological content; and of the writings of the Old Testament which have the perspective of wisdom, such as Job, Ecclesiastes, Sirach. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 255 - Old Testament Prophets

(3) **Credit Hours** A study of the writings of Israel's prophets with special attention given to the historical period, religious content, and uniqueness of each prophet. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 258 - The Bible and Anti-Judaism

(3) **Credit Hours** Critical study of anti-Jewish elements in the Bible and exploration of ways to interpret them and to address their implications. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 259 - Healing Deadly Memories I

(3) **Credit Hours** An intensive investigation into the roots of anti-Semitism in the New Testament. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 260 - Healing Deadly Memories II

(3) **Credit Hours** An intensive investigation into the roots of anti-Semitism in the New Testament. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 261 - Writings of St. Paul

(3) **Credit Hours** A close reading of the Pauline letters within their social and historical situation; the contribution of Paul towards the formation of revolutionary consciousness. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 262 - Community of Beloved Disciple

(3) **Credit Hours** An analysis of the Gospel and Letters of John in light of the historical and theological developments of the Johannine community. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 263 - The Parables

(3) **Credit Hours** What is a parable? Which ones are authentic? What are the sources for Jesus' parables? What image of Jesus emerges from this search? Can we still speak in parables today? **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 264 - Synoptic Gospels

(3) **Credit Hours** Comparison of the basic theology of Mark, Matthew, and Luke with an analysis of the milieu out of which the gospel message arose and was transmitted. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 265 - Gospel of Mark

(3) **Credit Hours** Analysis of the Gospel of Mark in light of its historical, literary, and theological context. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 266 - Gospel of Matthew

(3) **Credit Hours** Study of this Jewish-Christian Gospel as an alternative to Rabbinic Judaism. Emphasis on the pursuit of wisdom and justice. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 267 - African-American Biblical Interpretation

(3) **Credit Hours** This course will explore African-American biblical interpretation, both from historical and contemporary perspectives (from 1790 to the present). Students will examine a variety of approaches of perspectives among African-American interpreters; including interpretations from the context of slavery, distinctive interpretations from traditional African-American preaching (post-slavery), and interpretations from modern African-American biblical scholars.

Prerequisites: THEO 111 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 268 - Seminar: Paul & Anti-Judaism

(3) **Credit Hours** Was Paul a primary reason for the separation of Jesus believers from their Jewish matrix? How can Paul be critically read today?

Prerequisites: THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 271 - New Testament Christology

(3) **Credit Hours** An historical investigation into the ways early Jesus believers understood Jesus. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 272 - New Testament Ethics

(3) **Credit Hours** Through a critical examination of selected New Testament texts this course attempts to answer the challenge: Can the NT still speak to the moral crises today? **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 273 - Introduction to Biblical Hebrew

(3) **Credit Hours** The goal of the course is to provide the student with a working knowledge of biblical Hebrew. At the end of the semester, the student will have acquired the skills needed to read independently passages directly from the Hebrew Bible, with the aid of a good grammar and lexicon. The initial teaching method is deductive; focusing on rules of grammar and syntax, forms of expression, vocabulary, and meaning. After that, the student will work from selections out of the book of Genesis, preparing annotated translations. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 274 - Seminar: Worship in New Testament

(3) **Credit Hours** An historical consideration of how the early Jesus believers worshipped in the ancient world. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 275 - Book of Revelation

(3) **Credit Hours** Comparison with other apocalyptic and political thinking of its time. Subsequent use in history of Church and culture (especially U.S.).

Prerequisites: THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 276 - History of Christian Thought I

(3) **Credit Hours** History of Christian thought until the beginning of the sixth century. Special attention to the development of the doctrines of God, Christ, and human person in the work of early councils and early theologians. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 277 - History of Christian Thought II

(3) **Credit Hours** History of Christian thought from the sixth to sixteenth century. Special attention to the development of doctrine in the thought of Anselm of Canterbury, Hildegard of Bingen, Thomas Aquinas, Bonaventure, and Julian of Norwich. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 278 - History of Christian Thought III

(3) **Credit Hours** History of Christian thought from the Reformation to the middle of the eighteenth century. Christian humanism, Luther, Calvin, Council of Trent, deism. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 279 - History of Christian Thought IV

(3) **Credit Hours** History of Christian thought from the middle of the eighteenth century to beginning of twentieth century, with special attention to the challenges of science and philosophy to religion. Schleiermacher, Hegel, Newman, theological liberalism, development of doctrine, atheistic critiques. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 280 - Readings in Biblical Hebrew

(3) **Credit Hours** This course will incorporate an inductive approach to Biblical Hebrew at the undergraduate level. Students will read together in class actual texts from the Hebrew Bible; from Ruth, Jonah, and Deuteronomy (among others). Grammatical forms will be discussed and analyzed as they arise in the reading. Participants will gain knowledge in Hebrew vocabulary and idioms. Students will do this reading and analysis with the aid of a good grammar and lexicon. **Prerequisites:** THEO 273 Minimum Grade of D and THEO 111 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 282 - Seminar: Jesus Seminar

(3) **Credit Hours** An investigation into the historical authenticity of the Jesus traditions through intensive group work and debate. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 285 - The Historical Jesus

(3) **Credit Hours** A critical investigation to determine the authentic voice and profile of Jesus from sources of the first three centuries and a consideration of the consequences of such a search. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 286 - Jesus In Film And Theology

(3) **Credit Hours** An introduction to Christology through an exploration of Jesus films. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 289 - Death of Jesus

(3) **Credit Hours** The greatest detective story ever told? This course deals critically with the who, what, when, why and how of the death of Jesus of Nazareth. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 290 - Christian Doctrine Today

(3) **Credit Hours** A study of contemporary systematic issues or figures. (For majors and other qualified students.) **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 292 - The Torah / Pentateuch

(3) **Credit Hours** This course makes a study of the literature in the Torah/Pentateuch, its interpretation (Jewish and Christian), and the theological implications of its interpretation. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 295 - Senior Seminar: Ideas & Methods

(3) **Credit Hours** Examination of the public role and significance of theology in society and church, with special attention to different methodologies. Aims to help the student synthetically articulate and critically defend their own vision of a theology and spirituality responsive to the signs of the times of the new century. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 303 - Christian Ethics: Methods & Questions

(3) **Credit Hours** Introduction to the methods and central questions of Christian ethics. (Limited to majors and other interested and qualified students.) **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 304 - AIDS: An Ethical Inquiry

(3) Credit Hours Exploration of the ethical dilemmas rooted in the medical, social, political, and cultural reality of AIDS. **Prerequisites:** THEO 111 **Course Attributes:** Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 305 - Sociology of Religion

(3) Credit Hours Examination of the major components of religion, the interdependence between religion and other societal institutions, and religion's role in social conflict and change. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 306 - Liberation Issues & Theology

(3) Credit Hours Origins and developments of the theology of the liberation movements of women, Latin Americans, blacks, and other marginalized groups. **Prerequisites:** THEO 111 **Course Attributes:** Latin American Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 309 - West African Religions

(3) Credit Hours This course investigates various manifestations of religion present in West Africa from traditional religions to Islam, Christianity in various forms, and these religions' relation to social justice, the role of women, and politics. Offered for the service learning semester in Ghana. **Prerequisites:** THEO 111 **Course Attributes:** Gender & Diversity Studies Minor, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 310 - Marriage and the Family

(3) Credit Hours A practical overview of marriage in light of Church tradition and insights from contemporary studies. Team-taught with the interaction of several disciplines. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 311 - Faith and Justice

(3) Credit Hours Relationship between Christian faith and social justice viewed in Christian tradition and recent thought and documents of the Church. **Prerequisites:** THEO 111 and PHIL 100 **Course Attributes:** ERS Focus Elective, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 312 - Christian Health Care Ethics

(3) Credit Hours Reflection on moral methodology and attention to health care policy, human ways of dying and other questions. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 313 - Christian Sexual Ethics

(3) Credit Hours Ethical criteria Christians use in judging human sexuality from its origins throughout its development. Sex role socialization and common options in sexual behavior. Fulfills the E/RS Focus elective. **Prerequisites:** THEO 111 and PHIL 100 **Course Attributes:** ERS Focus Elective, Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 315 - Contemporary Ethical Issues

(3) Credit Hours Current issues in light of Christian faith. See course description for specific issues to be studied in a particular semester. Fulfills E/RS Focus Elective. **Prerequisites:** THEO 111 and PHIL 100 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 316 - Globalization

(3) Credit Hours Over the last decade globalization has been the cause of much hope and promise; at the same time it has been the cause of the student, worker and environmentalist protests all over the world. The course will be an interdisciplinary examination of the political, cultural, economic, theological, and ethical dimensions of globalization. It will be team-taught by faculty from economics, political science, theology and the E/RS program. There will also be a number of invited experts from the US and abroad who will meet with the class. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective, Gender & Diversity Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 317 - War and Peace

(3) **Credit Hours** Survey of Church teaching on war and peace, followed by analysis of contemporary social and religious movements with regard to peace and war. How are Christians called to peace? **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 319 - Anti-Semitism: The Great Hatred

(3) **Credit Hours** Traces the history and suggested causes of anti-Semitism within various cultural, political, religious and economic settings. Examines the forces which either reinforced or counteracted anti-Semitic attitudes and behavior. Also looks at contemporary manifestations of this ancient hatred. **Prerequisites:** THEO 111 **Course Attributes:** Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 321 - Meditation: Theory & Practice

(3) **Credit Hours** Exploration of contemporary theories of meditation and their practical implications for Christian spirituality and prayer. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 322 - Black Theology

(3) **Credit Hours** An interior view into the Black theological experience. Need to look at theology from a black perspective. Roots of the Black Church as its response to bigotry in white churches and society. **Course Attributes:** ERS Focus Elective, Gender & Diversity Studies Min, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 323 - African Spirituality

(3) **Credit Hours** The aim of this course is to disclose and articulate the basic world views that mold African Traditional Spiritual unfolding and the consequent foundational and formative element in the ongoing disclosure and emergence of an African's humanity (spirituality). **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 325 - Contemporary Spirituality

(3) **Credit Hours** Introduction to contemporary Christian approaches to creation spirituality, modern mysticism, conversion, and a spirituality of wholeness. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 326 - Women and Religion

(3) **Credit Hours** Exploration of woman's nature and role in religion and society as described within different religious traditions. Special attention will be given to recent developments in Christian feminist theology. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 330 - Ignatian Spirituality

(3) **Credit Hours** Study of Ignatius Loyola and his spiritual journey in historical context and as the foundation of Jesuit relevancy for reform today. **Prerequisites:** Undergraduate level THEO 111 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 331 - Faith & Doubt in Modern Literature

(3) **Credit Hours** Study of questions of religious faith and doubt in contemporary western literature. **Prerequisites:** THEO 111 **Course Attributes:** Catholicism & Culture Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 333 - Jesus in Faith & Fiction

(3) **Credit Hours** Modern fiction as it illuminates and is illuminated by the study of the Jesus of the gospels and of contemporary Christology. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 334 - Prophets of Non-Violence

(3) **Credit Hours** Exploration of the life and teachings of Dorothy Day, Mohandas Gandhi, and others and their implications for contemporary spirituality and theology. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 336 - Spirituality and Healing

(3) **Credit Hours** This course will investigate cultural, social, scientific and religious attitudes concerning the body and healing. Principles and processes of healing will be examined from contemporary post-modern view and from religious texts, traditions and doctrine. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 337 - Franciscan Spirituality

(3) **Credit Hours** This course provides an understanding of the life and message of Francis and Claire and their spiritual legacy for today. Taught on the site of Assisi, Italy, students gain an appreciation of the theological, spiritual and ethical challenges brought about by medieval urbanization and the increasing institutionalization of the church. The Franciscan response of voluntary poverty, solidarity with the suffering Christ, and apostolic preaching by word and example comes alive in the context in which Francis and Claire faced such challenges. Students will also explore the implications of Franciscan insights and values to today's world. **Prerequisites:** THEO 111

Levels: Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 338 - Religious Ed & Youth Ministry

(3) **Credit Hours** An examination of the key dimensions of religious education and contemporary methods of teaching religious education. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 340 - United States Catholic Church & Public Issues

(3) **Credit Hours** Examination of the relationship between the church and political life in America, including the study of different public issues and different proposals for their solution. **Prerequisites:** THEO 111 **Course Attributes:** Catholicism & Culture Minor, ERS Focus Elective, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 342 - World Religions

(3) **Credit Hours** This course is an introduction to five of the world's major religious traditions: Islam, Hinduism, Buddhism, Confucianism and Taoism. Using a combination of lectures, video documentaries and discussions, we will approach these religions through their socio-historical developments, major doctrinal and philosophical patterns, moral-ethical teachings, devotional practices, and their place in today's world. Students are highly encouraged to ask questions and engage freely in discussion. **Prerequisites:** Undergraduate level THEO 111 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 343 - Dialogue Among World Religions

(3) **Credit Hours** The foundations for a greater ecumenism among all religions; how Christians can come to a more positive attitude towards other religions. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 345 - The Challenge of Peace

(3) **Credit Hours** In-depth exploration of the personal, political, practical, and spiritual aspects of peace. Capstone course for the Peace Studies Minor. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective, Latin American Studies Minor, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 346 - Human Community: Needs & Rights

(3) **Credit Hours** Study of the theological and socioeconomic foundations of human community and of the concepts of justice and human rights. Fulfills E/RS Focus elective. Pre-requisite: PHIL 100, THEO 111; Co-requisite: THEO 111, PHIL 100 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 352 - Judaism: Customs, Practice & Beliefs

(3) **Credit Hours** A basic understanding of Judaism and its component parts. Brief overview of Jewish history and study of holidays and life-cycle experiences. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 353 - The Holocaust

(3) **Credit Hours** The Holocaust in Europe during the Hitler period. Analysis of the causes and background of the destruction of European Jewry. **Prerequisites:** THEO 111 **Course Attributes:** Gender & Diversity Studies Min, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 355 - Islam

(3) **Credit Hours** An historical and topical survey of the origins and development of Islam. Special emphasis on the emergence of Sunnism, Shiism, and Sufism as three distinct yet interrelated schools of thought and practice in Islam. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 364 - Religion in an Age of Science

(3) **Credit Hours** Study of the recent findings of contemporary science concerning creation and human nature and the implications of these findings for Christian theology. Fulfills the E/RS Focus elective. **Prerequisites:** THEO 111 **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 365 - Problem of Evil

(3) **Credit Hours** An exploration of the problem of evil in light of contemporary theological, philosophical, and scientific developments. **Prerequisites:** THEO 111

Levels: Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 368 - Buddhism

(3) **Credit Hours** A study of the historical developments, doctrinal and ethical themes, spiritual practices, and contemporary trends of Buddhism. **Prerequisites:** Undergraduate level THEO 111 Minimum Grade of D **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 385 - Spiritual Fantasies

(3) **Credit Hours** Students will be studying a wide range of literary texts in which the fantastic serves as a mode for conveying spiritual viewpoints and insights. These works will serve as a focus for both critical analysis and personal reflection on their meaning and implications. Over the semester we will address a number of central themes, including good and evil, sin and redemption, the meaning of life, the meaning of death, friendship, temporality, war and violence, art and creativity. **Prerequisites:** Undergraduate Level THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 387 - Theology and Animals

(3) **Credit Hours** Using violence as a focus this course will analyze the ethical and religious implications of the way animals are treated in contemporary society. Also, it will examine how this treatment rebounds upon human beings in spiritual, psychological, and physical ways. The Judeo-Christian scriptures and tradition will form the context for this exploration. **Prerequisites:** Undergraduate Level THEO 111 Minimum Grade of D **Course Attributes:** Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 388 - Theology & Ecology

(3) **Credit Hours** Exploration of the philosophical and theological issues underlying a sane approach to the protection of all life-forms within a finite world in which hard choices frequently have to be made. **Prerequisites:** THEO 111 **Course Attributes:** Environmental Studies Minor, ERS Focus Elective, Peace Studies Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 391 - Dialogue & Global Responsibility

(3) **Credit Hours** This course explores how the state of the world, its needs and crises, is calling all religions to learn from and to cooperate with each other in creating a world of greater social and ecological justice and well-being. **Prerequisites:** Undergraduate Level THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 404 - Religion, Ethics, and Professional Practice

(3) Credit Hours This course will enable students to recognize and appropriately respond to religious, spiritual, and ethical issues that arise in the context of professional practice in the fields of social work, criminal justice, nursing, psychology, occupational therapy, and ministry. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 495 - Directed Study

(1 to 3) Credit Hours An undergraduate course of study done on an individual basis with a professor. **Prerequisites:** THEO 111 **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 501 - Intro to the Study of Theology

(3) Credit Hours This course is designed to provide a foundation for those who need a graduate-level background in theology. The course will introduce students to systematics, historical theology, biblical criticism, and ethics along with research skills appropriate to each area. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 502 - Christian Tradition & Task of Understanding

(3) Credit Hours Enables the student to confront fundamental elements of the Christian tradition and to become aware of the need for a critical methodology. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 504 - Foundations of Scripture Study

(3) Credit Hours Introduction to the literary, historical, and religious context of the Hebrew Bible and the New Testament. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 505 - Gospel of Mark

(3) Credit Hours In-depth analysis of the Gospel of Mark in light of historical, literary, and theological context. Present-day dialogue with the Gospel's fundamental theological questions. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 506 - Foundation Issues in Christian Ethics

(3) Credit Hours An introduction to Christian ethics, exploration of basic methodological questions, and discussion of selected contemporary issues. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 508 - Ancient Christian Gospels

(3) Credit Hours An intensive exploration of the multiple gospel traditions. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 509 - Paul: Our Brother, Our Betrayer?

(3) Credit Hours Was Paul a traitor to Judaism? Did he intend to found a new religion? Or, was he a messianic Jew? **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 511 - Paul's Concept of Community

(3) Credit Hours Dialogue on three levels: with Paul, with our own traditional understandings of community, and our present communal experience. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 515 - Prophetic Faith in Isaiah

(3) Credit Hours A study of the Book of Isaiah with particular emphasis on the themes of covenant and faith. The writings of Isaiah and prophetic faith will be discussed in the light of their significance for our time. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 517 - Jeremiah: Prophet Just Society

(3) Credit Hours A study of the prophet, his time and the religious background of his ministry and preaching. An attempt will be made to show the relevance of Jeremiah in today's world. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 518 - Prophets of the Hebrew Bible

(3) Credit Hours Study of the historical setting, the literary styles, and the religious concerns of the prophets Jeremiah, Ezekiel, and Second Isaiah. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 520 - Survey of Christian Doctrine I

(3) Credit Hours An introduction to the evolution of Christian thought, from the first century to the late Middle Ages, in four areas of theology: the nature of God, the person of Christ, the nature of humanity, and the structure and mission of the church. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 524 - Survey of Christian Doctrine II

(3) Credit Hours An introduction to the evolution of Christian thought, from the late Middle Ages to the present in four areas of theology: the nature of God, the person of Christ, the nature of humanity, and the structure and mission of the church. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 525 - Theology of Christian Worship

(3) Credit Hours This course explores the theological/pastoral issues inherent in the understanding and practice of Christian worship: Word and Eucharist, initiation, reconciliation, among others. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 530 - Contemporary Christologies

(3) Credit Hours A study of various systematic approaches to the mystery of Christ and specific Christological models. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 531 - God: Problem & Mystery

(3) Credit Hours Basic themes of the theological treatise on God (existence of God, atheism, creation, the Trinity) discussed within the context of fundamental questions of life (anxiety, death, evil, hope, and fulfillment). **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 532 - Approaches to God

(3) Credit Hours After briefly reviewing the historical development of the classic formulation of the Christian doctrine of God, this course will explore a variety of contemporary approaches for understanding God. Approaches to be considered may include neo-orthodox, postliberal, liberationist, and feminist approaches. Topics to be considered include the reality of God; images of God; experience, scripture, hermeneutics and the God question; God and inter-religious dialogue. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 533 - The Uniqueness of Christ

(3) Credit Hours The course will explore how Christians can affirm the uniqueness of Jesus in a world of newly experienced religious pluralism. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 534 - Protestant Theology

(3) Credit Hours An exploration of important themes and issues in Protestant theology, including both classical and contemporary authors. The course may also include a comparison of the distinctiveness of Protestant theology in relation to Catholic theology. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 537 - Franciscan Spirituality

(3) Credit Hours This course will foster a deep understanding of Franciscan spirituality through onsite exploration of the socio-historical milieu of Francis and Clare, readings of their works, readings of hagiographical accounts and secondary studies, and discussion of the theological and spiritual legacy of these two key Christian mystics. Immersion into the culture of Assisi will allow and experiential dimension to inform our appreciation of the Franciscan charism. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 540 - Modern Catholic Social Teaching

(3) **Credit Hours** Papal and Episcopal social teaching since Leo XIII (1878). Includes employer-employee relations, poverty, democracy, socialism, Church-State relations, economics, human rights of all kinds. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 544 - Health Care Ethics

(3) **Credit Hours** Critical examination of health care theory and praxis in light of Christian social thought and moral theology. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 545 - Moral Theology Since Vatican II

(3) **Credit Hours** Recent developments in Christian ethics: methods in moral decision-making, conscience and authority, sexuality, human rights, bioethics, war and armaments. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 548 - Bioethics

(3) **Credit Hours** This course begins with reflection on moral methodology, then moves to specific questions such as reproductive technology, genetics, physician-patient relationship, end-of-life issues, and the many justice questions related to health care systems. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 552 - Sociology of Religion

(3) **Credit Hours** Examination of the major components of religion, the interdependence between religion and other societal institutions, and religion's role in social conflict and change. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 553 - Psalms & Wisdom Literature

(3) **Credit Hours** An exploration of the affective, cognitive, and subconscious dimensions of religious phenomena, including belief and faith, myth and symbol, the quest for meaning, and individual and social needs. **Levels:** Undergraduate, Graduate *College of Arts and Sciences Theology*

THEO 558 - Spirituality & Mysticism

(3) **Credit Hours** This course enables the students to explore the mystical traditions and their implications for theology and spirituality. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 559 - Christian Spirituality: Past & Present

(3) **Credit Hours** History of Christian spirituality and themes of contemporary spirituality. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 564 - Key Themes in History of Christian Theologians

(3) **Credit Hours** Examination of how significant theologians in different centuries have dealt with major issues. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 565 - Mysticism East-West

(3) **Credit Hours** The course will explore the significance of mysticism for the Church and the modern world by studying the writings of Eastern and Western mystics and by relating mystical experience to the findings of modern science. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 570 - Process Theology

(3) **Credit Hours** Evaluation of the use that contemporary theologians are making of process philosophy to reinterpret Christian tradition. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 571 - Black Theology

(3) Credit Hours The purpose of this course is to examine the historical background and origins of Black Theology and analyze the relationship between Black Theology, the Black church and Black liberation movements. We will also explore the major issues and topics that define black theology such as: its claim that liberation is the content of Christian theology, the proclamation of the Black Christ, a black approach to Christian Scripture, and an examination of the role or gender and sexuality within black communities. Finally, this course will help to clearly articulate one's own theological stance and perspective. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 572 - New Testament Ethics

(3) Credit Hours Through a critical examination of selected New Testament texts this course attempts to answer the challenge: can the NT still speak to the moral crises today? **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 573 - Catholicity, Pluralism, Dissent

(3) Credit Hours Critically examines what it means for the church to be "catholic" in light of the many alternative conceptions of Christian existence and the current tension between some segments of the American church and the Vatican. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 575 - Theology & Ecology

(3) Credit Hours A study of Christian doctrines, scripture and morality as they relate to environmental issues. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 577 - Religion in an Age of Science

(3) Credit Hours Ian Barbour notes that there are four possible attitudes toward the relationship between religion and science: conflict, independence, dialogue and integration. This course will review all four attitudes, both in their historical development and contemporary context, and thus allow the student consciously to adopt his/her personal stance. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 584 - Praying the Psalms

(3) Credit Hours This workshop will explore the use of the Psalms as a spiritual resource. Students will learn some classical and innovative approaches to the interpretation of the Psalms, including some attempts to reconstruct their use in the life of Ancient Israel. The workshop will also explore how the Psalms have been and are used in the life of the church; in personal piety, communal liturgy, preaching and daily prayer. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 591 - Theology of Karl Rahner

(3) Credit Hours Analysis and discussion of key concepts in Rahner's thought: The human person, God, grace, Jesus Christ, Church and the Sacraments. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 595 - Christian Eschatology

(3) Credit Hours A review of the classical concepts of Christian Eschatology (death, judgment, heaven and hell) and of various contemporary approaches to the same material: e.g., belief in resurrection and personal immortality in the light of contemporary neuroscience, the end of the world from both a theological and scientific perspective, time and eternity, etc. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 615 - Contemporary Ethical Issues

(3) Credit Hours In this course we will first consider a method for making moral decisions in light of Christian faith. Then we will study some current issues in the areas of medical, sexual, and social ethics. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 630 - Theology of Ministry

(3) Credit Hours This course studies the theology of ecclesial ministry - lay and ordained. Taking into account the biblical background and historical developments, the course focuses on issues and ideas surrounding ministry today. With an emphasis on the Roman Catholic experience, the course locates ministry and church mission with a broadly Christian, ecumenical perspective. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 650 - Holocaust Studies for Educator

(2) **Credit Hours** Designed for educators who already possess an undergraduate degree, Holocaust Studies for Educators participants will learn to personalize and humanize the Holocaust, making it relevant for students in their classrooms. At the workshop, participants will learn about the Holocaust by exposure to the stories of individuals with real names, faces, and experiences. They will hear first-hand testimony from survivors, refugees, and liberators whose homes are in the Cincinnati and Ohio area. Personalizing the Holocaust's survivors, victims, liberators and rescuers is an effective way for teachers to engage and challenge the youth of today. This workshop is offered in collaboration with the Center for Holocaust and Humanity Education. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 657 - Women Mystics

(3) **Credit Hours** Studies the influence of religious women throughout the history of Christianity through a reading of women's mystical treatises. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 664 - The Historical Jesus

(3) **Credit Hours** A critical investigation to determine the authentic voice, print, and profile of Jesus from sources of the first three centuries and a consideration of the consequences of such a search. **Prerequisites:** Graduate level THEO 504 Minimum Grade of C **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 666 - Book of Revelation

(3) **Credit Hours** Comparison with other apocalyptic and political thinking of its time. Subsequent use in history of Church and culture. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 672 - Theology & Culture to 1400

(3) **Credit Hours** A historical review of the development of doctrine during the ancient and medieval periods as contextualized by eastern and western Christianity. Themes to be explored include Christology, mysticism, ecclesiology, and the development of orthodoxy. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 674 - Theology & Culture Since 1700

(3) **Credit Hours** Traces the interaction of Christian thought and modern consciousness from the eighteenth century to Vatican II. Special attention to the challenges posed to Christian theology by the rise of historical consciousness, the discoveries of the natural sciences, and the development of modern philosophy and psychology. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 676 - American Catholic History

(3) **Credit Hours** This course was inspired in part by Joseph Bernadin, who when Archbishop of Cincinnati stated in 1975: "Our past and our present, like the past and present of any nation, present a canvas of contrasting light and shadow, virtue juxtaposed with vice. We should not gloss over our failings, but neither should we fail to celebrate our achievements." Recognizing both weaknesses and strengths within the American Catholic Church, this course explores from an historical perspective the question, "What does it mean to be Catholic in the United States?" Both the power of reason and imagination will be engaged when addressing this question. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 688 - Spirituality & Transformation

(3) **Credit Hours** An exploration of contemporary spirituality with an eye toward the transformation of mind, body, and spirit. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 689 - Hearing the Parables

(3) **Credit Hours** An intensive investigation of the parable tradition. What does it mean to say that Jesus spoke in parables? **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 691 - Healing Deadly Memories I

(3) **Credit Hours** An intensive investigation into the roots of anti-Semitism in the New Testament. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 692 - Healing Deadly Memories II

(3) Credit Hours An exploration of theological and social consequences of the search for anti-Semitism in the New Testament. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 695 - Special Study

(1 to 6) Credit Hours A graduate course of study done on an individual basis with a professor. **Levels:** Graduate *College of Arts and Sciences Theology*

THEO 699 - Masters Thesis

(3 or 6) Credit Hours Research project to be done as a partial requirement of Theology Master's degree. **Levels:** Graduate *College of Arts and Sciences Theology*

THTR 100 - Introduction to the Theatre

(3) Credit Hours Analysis of the role of the theatre within the community, models of professional theatre practice within Cincinnati. Focus on the artistic, administrative, and technical infrastructures of theatre organizations, through a series of on-site visits. Students will attend a number of local theatres during the semester. **Course Attributes:** Fine Arts-University Core, Theatre Minor **Levels:** Undergraduate *College of Arts and Sciences Classics*

THTR 210 - Acting I

(3) Credit Hours Not only provides students with a valuable practical insight into the art of acting, but enables them to develop essential "transferable" skills in communication, time-management, and teamwork. Exposure to acting empowers students to develop personal confidence through exercises in role-play and improvisation, and explore important issues from a multiplicity of perspectives. **Course Attributes:** Fine Arts-University Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

THTR 230 - Stagecraft

(3) Credit Hours Focus on the fundamentals of technical production: stagecraft, lighting, sound, costume, and make-up. Students will develop skills in basic operations and safety procedures. Projects may involve production work for the Xavier Players. **Course Attributes:** Fine Arts-University Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

THTR 310 - Acting II

(3) Credit Hours Building on the skills developed in Acting I, this class focuses on specific acting techniques associated with creating a Theatre of Conscience that seeks to engage with socio-political issues that directly affect a given community. **Prerequisites:** THTR 210 Minimum Grade of D **Course Attributes:** Fine Arts-University Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

THTR 350 - Directing for the Stage

(3) Credit Hours Enables students to stage scenes and create original work. The resulting pieces of theatre should be presented to the Xavier community. **Prerequisites:** THTR 310 Minimum Grade of D **Course Attributes:** Fine Arts-University Core, Theatre Minor **Levels:** Undergraduate, Graduate *College of Arts and Sciences Classics*

UNDE 005 - Undesignated Interm/Adv Lang

(0 to 12) Credit Hours **Levels:** Undergraduate *College of Arts and Sciences Modern Languages*

UNST 100 - E Pluribus Unum

(1) Credit Hours An interdisciplinary course that introduces students to the challenges and opportunities that cultural diversity presents, and to the impact of stereotyping, prejudice and discrimination on the exercise of power in American society. Fulfills the Cultural Diversity Elective requirement. **Course Attributes:** Cultural Diversity-University Core **Levels:** Undergraduate

UNST 200 - Service Learning Seminar

(1) Credit Hours This course is a pre-requisite to participating in an academic service learning semester. This course incorporates a breadth of learning to enable students to make an easier transition into the Academic Service Learning Semester (ASLS) to follow. **Levels:** Undergraduate, Undergraduate, Graduate

UNST 300 - Service Learning: Nicaragua

(3) **Credit Hours** An interdisciplinary course that is a component of an immersion semester of study in Nicaragua. The guided service experience functions as the medium through which learning occurs. **Prerequisites:** PHIL 100 and THEO 111 and HIST 151 **Course Attributes:** ERS Focus Elective, Latin American Studies Minor **Levels:** Undergraduate, Graduate, Graduate

UNST 301 - Service Learning: Urban

(3) **Credit Hours** An interdisciplinary course that is a component of an immersion semester of study in an urban setting. The guided service experience functions as the medium through which learning occurs. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level HIST 143 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate

UNST 302 - Service Learning: India

(3) **Credit Hours** An interdisciplinary course that is a component of an immersion semester of study in an Asian country. The guided service experience functions as the medium through which learning occurs. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level HIST 161 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate, Undergraduate, Graduate

UNST 304 - Service Learning: Ghana

(3) **Credit Hours** Designed to enable students to learn through service, this course is one component of an academic semester which applies a broad, cross-disciplinary approach in forming a link between theory and practice. Service learning, a form of practice, yields insight into specific human needs as well as societal responses to those needs. Consistent with the mission of Xavier University, this course seeks to develop the ability to thoughtfully analyze society's needs and to provide humble and compassionate service in order to, among other things, achieve a better understanding the human condition. **Prerequisites:** Undergraduate level PHIL 100 Minimum Grade of D and Undergraduate level THEO 111 Minimum Grade of D and Undergraduate level HIST 123 Minimum Grade of D **Course Attributes:** ERS Focus Elective **Levels:** Undergraduate

Faculty

University Faculty

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [Y](#) [Z](#)

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SHARON J. KORTH (1993)

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HEMA A. KRISHNAN (1993)

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DEBORA L. KUCHEY (2000)

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L

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JOHN J. LAROCCA, S. J. (1977)

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Director of Honors Bachelor of Arts Program
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Chair of the Department of Theology

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JOY MOORE (2007)

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MORELL E. MULLINS JR. (2002)

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N

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ESMERALDA L. NASTASE (2007)

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PRISCILLA M. O'CLOCK (1992)

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JULIA C. O'HARA (2002)

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STEPHEN PAUL O'HARA (2004)

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ADEKUNLE OKUNOYE (2003)

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TIMOTHY WHITE (1990)
BA, MA, PhD (University of Michigan)
Professor of Political Science
Director of International Affairs

TYRONE WILLIAMS (1983)
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LIFANG WU (2004)
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V

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W

CECILE WALSH (2003)
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The date mentioned in parenthesis is the date of first appointment at Xavier.

Distinguished Professors Emeriti

VYTAUTAS J. BIELIAUSKAS, 1958-1988
Professor of Psychology

KARL P. WENTERSDORF, 1956-1987
Professor of English

Professors Emeriti

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [V](#) [W](#) [Z](#)

A

ALBERT F. ANDERSON JR., 1963-1993
Professor of Education

JERRY W. ANDERSON JR., 1978-1993
Professor of Management

PHYLLIS AUGSPURGER, 1990-2005
Associate Professor of Nursing

B

TAYLOR BAKER, 1973-1988
Assistant Professor of Education

NORMAN J. BARRY, 1975-2007

Professor of Psychology

BARBARA J. BARKER, 1977-2001

Associate Professor of Chemistry

ANN BEIERSDORFER, RSM, 1980-2002

Associate Professor of Art

ELENA BLAIR, 1969-2003

Associate Professor of Philosophy

ALBERT A. BOCKLET, 1974-1995

Associate Professor of Health Services Administration

RICHARD H. BONVILLAIN, 1971-2005

Associate Professor of Philosophy

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Director, Brueggeman Center for Interreligious Dialogue

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Associate Professor of Mathematics

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Director of Medical Technology Program

RAYMOND J. COLLINS, 1973-1994

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H

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Professor of Physics

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WILLIAM JONES, 1969-2008
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MAX J. KECK, 1992-2001
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Professor of Education

CHARLOTTE PROFFITT, 1989-2002
Associate Professor of Nursing

CLAROY (SALLY) W. PRUDEN, 1975-1993
Professor of Education

Q

GERALD QUATMAN, 1962-2002
Professor of Classics

R

JACK REAMY, 1991-2006
Associate Professor of Health Services Administration

JOHN RETTIG, 1968-1996
Professor of Classics

JOHN G. RICHARDSON, 1973-2006
Associate Professor of Criminal Justice

LINDA S. RIEG, 1992-2008
Associate Professor of Nursing

HELMUT J. ROEHRIG, 1981-2002
Professor of Music

JOHN C. ROTHWELL, 1964-1992
Professor of Finance

S

THOMAS A. SCHICK 1990-2006
Assistant Professor of Communication Arts

BERNARD SCHMIDT, 1980-1999
Professor of Art

HANS SCHMIDT, 1967-1992
Professor of Psychology

CAMILLE P. SCHUSTER, 1988-2003
Professor of Marketing

ROBERT A. SCHUTZMAN, 1961-1994
Professor of Accounting

ROMAN J. SCHWEIKERT, 1964-1987
Professor of Education

PAUL L. SIMON, 1963-2002
Professor of History

DAVID L. SMITH, 1981-2007
Associate Professor of Communication Arts

WILLIAM E. SMITH, 1956-2002
Professor of Accountancy

JAMES M. SOMERVILLE, 1971-1982
Professor of Philosophy

JOSEPH M. SULLIVAN, 1967-1993
Professor of Education

T

JOHN F. TAFURI, 1951-1990
Professor of Biology

THEODORE C. THEPE, S. J., 1961-1997
Associate Professor of Chemistry

ROBERT J. THIERAUF, 1965-1992
Professor of Information/Decision Sciences

STANLEY C. TILLMAN, S. J., 1969-1987
Professor of Philosophy

TERRENCE P. TOEPKER, 1966-2007
Professor of Physics

GEORGE G. TREBBI, JR., 1973-2004
Professor of Marketing

DAVID C. TRUNNELL, 1968-2007
Assistant Professor of Mathematics & Computer Science

V

EDWARD J. VANDERBECK, 1976-2007
Professor of Accountancy

JOHN E. VANKIRK, 1971-1995
Professor of Marketing

MATIAS G. VEGA, 1954-1994
Professor of Modern Languages

W

PETER B. WEBB, 1968-1995
Associate Professor of Information Systems

JOSEPH WESSLING, 1966-2000

Professor of English

EDWARD WILZ, 1986-1995

Professor of Accounting

ROBERT E. WUBBOLDING, 1969-2001

Professor of Education

Z

ROBERT ZIMMERMAN, 1970-2003

Professor of Economics & Human Resources

* Dates represent years of service to Xavier.

University Librarians

ELAINE M. CHENG (1989)

AB, MS (University of Illinois)

Inventory Management Librarian

ANNE DAVIES (1999)

BA, MSLS (University of Kentucky)

Resource Sharing and E-Reserves Librarian

MICHELLE EARLY (1995)

BA, MLS (University of Kentucky)

Bibliographic Control Services Librarian

MARTHA P. FERRELL (1985)

BA, MA, MSLS (University of Kentucky)

Collection Development Librarian

PATRICIA A. GRECO (2002)

BS, MLS (Indiana University)

Acquisitions Librarian

MARGARET S. GROESCHEN (1998)

BS, MLS (University of Kentucky)

OhioLINK Librarian

THOMAS P. KENNEALY, S.J. (1969)

MA, STL, PhL, MAT (Indiana University)

University Archivist

TIMOTHY J. McCABE (1978)

BA, MLS, MPA (Xavier University)

Archives Librarian

DAPHNE C. MILLER (2002)

BA, MLS (Kent State University)

Cataloging Librarian

ALISON W. MORGAN (2002)

BA, MSLS (University of Kentucky)

Assistant Director, Connection Center

MARCIA POGGIONE (2000)

BA, MS, MLS (Kent State University)

Scholarly Resources & Digital Initiatives Librarian

LINDSEY RITZERT (2006)

BA, MLIS (Kent State University)

Circulation Librarian/Connection Center Supervisor

VICTORIA L. YOUNG (1985)

BA, MEd, MLS (University of Michigan)

Reference Services Librarian

Alma Mater

Alma Mater Xavier

**Xavier is our family tree,
Rooted in one history.
Nurtured by our legacy,
Xavier's humble pedigree
Branches out to touch the same
God we call by many names,
And a glow in love aflame,
Bear the fruit of Xavier's fame.**

**Fame that no one can impeach
Growing to extend our reach,
Planting fertile seeds in each
Soul and mind we serve and teach.
One community we stand,
Building dreams and hopes with hands
Stretching out across the land
For each woman, child and man.**

Composed by Dr. Thomas Merrill and Dr. Tyrone Williams
in celebration of Xavier University's 175th anniversary.