

1993

1993-1994 Xavier University College of Arts and Sciences, College of Business Administration, College of Social Sciences Course Catalog

Xavier University, Cincinnati, OH

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XAVIER UNIVERSITY

1993-94 Catalog



Xavier University

Cincinnati's Jesuit University



1993-94 Catalog

College of Arts and Sciences

College of Business Administration

College of Social Sciences

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UNIVERSITY CALENDAR 1993-1994

Note: The calendar dates shown may be altered due to new academic and administrative policies and procedures approved after the university catalog was published. The official Schedule of Classes Bulletin should be consulted for final dates and times established for a specific term.

Fall Semester, 1993-94 August 25 - December 17, 1993

Registration Schedule

Aug. 21, Saturday	Graduate students and students registering through the Center for Adult and Part-time Students (CAPS)
Aug. 23, Monday	Formal Registration, all students
Aug. 24, Tuesday	Formal Registration, all students
Aug. 25, Wednesday	Classes begin
Aug. 31, Tuesday	Last day for late registration or changes in registration
Sept. 6, Monday	Labor Day Holiday, classes do not meet
Oct. 7, Thursday through Oct. 8, Friday	Autumn Holiday, classes do not meet
Oct. 9, Saturday	Saturday classes meet
Oct. 18, Monday	Deadline for submitting mid-semester grades for all undergraduate students
Oct. 22, Friday	Deadline to apply for December graduation - all students
Nov. 10, Wednesday through Nov. 16, Tuesday	Spring priority registration for currently enrolled students
Nov. 22, Monday	Final date for withdrawal from full-term courses, undergraduate students
Nov. 23, Tuesday	Thanksgiving holiday begins after last class
Nov. 29, Monday	Classes resume
Dec. 3, Friday	Final date for all students to apply for May graduation or participation in Commencement ceremony
Dec. 10, Friday	Last day of classes Final date for withdrawal from full-term courses - graduate students Reception for August and December graduates
Dec. 11, Saturday through Dec. 17, Friday	Final Examinations
Dec. 17, Friday	End of Fall Semester after last semester examination

Spring Semester, 1993-94
January 10 - May 7, 1994

Registration Schedule

Jan. 8, Saturday	Graduate students and students registering through the Center for Adult and Part-time Students (CAPS)
Jan. 9, Sunday	Formal Registration, all students
Jan. 10, Monday	Classes begin
Jan. 15, Saturday	Last day for late registration or changes in registration
Jan. 17, Monday	Martin Luther King Holiday, classes do not meet
Feb. 26, Saturday	Spring Break begins after last class
Mar. 7, Monday	Deadline for submitting mid-semester grades for all undergraduate students Classes resume
Mar. 23, Wednesday through Mar. 29, Tuesday	Fall priority registration for currently enrolled students
Mar. 30, Wednesday	Easter Break begins after last class
Apr. 4, Monday	Monday once-a-week classes meet
Apr. 5, Tuesday	All classes resume
Apr. 11, Monday	Final date for withdrawal from full-term courses, undergraduate students
Apr. 23, Saturday	Honors Convocation, 10:00 a.m.
Apr. 30, Saturday	Last day of classes Final day for withdrawal from full-term courses, graduate students
May 1, Sunday through May 7, Saturday	Final Examinations
May 7, Saturday	End of Spring Semester after last semester examination
May 14, Saturday	Commencement, 9:00 a.m.

Summer Sessions, 1994
May 16-August 11, 1994

Summer classes occur during two regular sessions, May 16 to June 23, and July 5 to August 11. Other Education Department sessions and workshops occur throughout the summer. Consult the summer bulletin for details, which will be available approximately March 1. Call the Summer Sessions office at 513-745-4381 after January 1 to reserve a copy.

UNIVERSITY CALENDAR 1994-1995

Note: The calendar dates shown may be altered due to new academic and administrative policies and procedures approved after the university catalog was published. The official Schedule of Classes Bulletin should be consulted for final dates and times established for a specific term.

Fall Semester, 1994-95 August 24 - December 16, 1994

Registration Schedule

Aug. 20, Saturday	Graduate students and students registering through the Center for Adult and Part-time Students (CAPS)
Aug. 22, Monday	Formal registration, all students
Aug. 23, Tuesday	Formal registration, all students
Aug. 24, Wednesday	Classes begin
Aug. 30, Tuesday	Last day for late registration or changes in registration
Sept. 5, Monday	Labor Day Holiday, classes do not meet
Oct. 6, Thursday through Oct. 7, Friday	Autumn Holiday, classes do not meet
Oct. 8, Saturday	Saturday classes meet
Oct. 17, Monday	Deadline for submitting mid-semester grades for all undergraduate students
Oct. 21, Friday	Deadline to apply for December graduation - all students
Nov. 9, Wednesday through Nov. 15, Tuesday	Spring priority registration for currently enrolled students
Nov. 21, Monday	Final date for withdrawal from full-term courses, undergraduate students
Nov. 22, Tuesday	Thanksgiving holiday begins after last class
Nov. 28, Monday	Classes resume
Dec. 2, Friday	Final date for all students to apply for May graduation or participation in Commencement ceremony
Dec. 9, Friday	Last day of classes Final date for withdrawal from full-term courses - graduate students Reception for August and December graduates
Dec. 10, Saturday through Dec. 16, Friday	Final Examinations
Dec. 16, Friday	End of Fall Semester after last semester examination

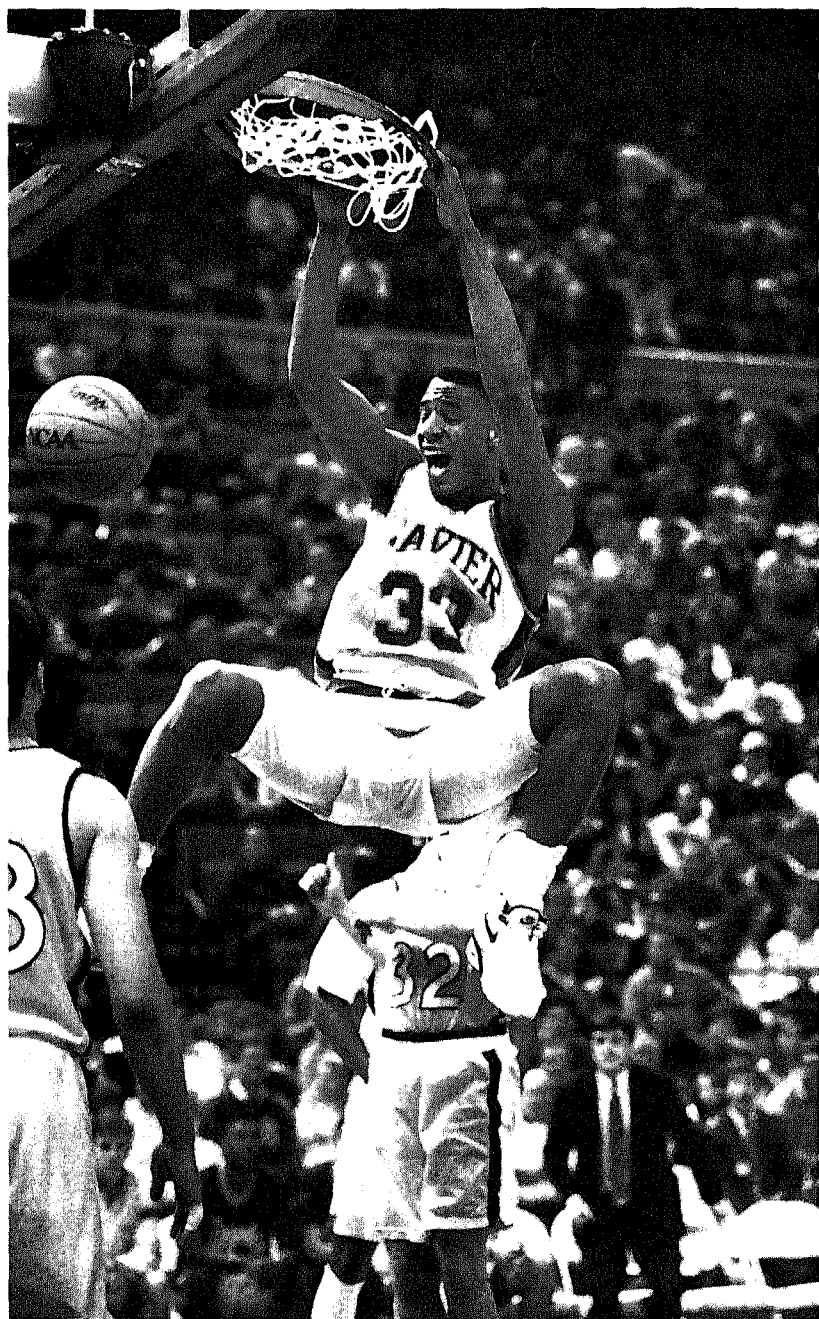
Spring Semester, 1994-95
January 9 - May 6, 1995

Registration Schedule

Jan. 7, Saturday	Graduate students and students registering through the Center for Adult and Part-time Students (CAPS)
Jan. 8, Sunday	Formal registration, all students
Jan. 9, Monday	Classes begin
Jan. 14, Saturday	Last day for late registration or changes in registration
Jan. 16, Monday	Martin Luther King Holiday, classes do not meet
Feb. 25, Saturday	Spring Break begins after last class
Mar. 6, Monday	Deadline for submitting mid-semester grades for all undergraduate students Classes resume
Mar. 29, Wednesday through Apr. 4, Tuesday	Fall priority registration for currently enrolled students
Apr. 10, Monday	Final date for withdrawal from full-term courses, undergraduate students
Apr. 12, Wednesday	Easter Break begins after last class
Apr. 17, Monday	Monday once-a-week classes meet
Apr. 18, Tuesday	All classes resume
Apr. 29, Saturday	Last day of classes Final day for withdrawal from full-term courses, graduate students
Apr. 30, Sunday through May 6, Saturday	Final Examinations
May 6, Saturday	End of Spring Semester after last semester examination
May 13, Saturday	Commencement, 9:00 a.m.

Summer Sessions, 1995
May 15-June 22, July 3-August 10, 1995

Summer classes occur during two regular sessions, May 15 to June 26, and July 3 to August 10. Other Education Department sessions and workshops occur throughout the summer. Consult the summer bulletin for details, which will be available approximately March 1. Call the Summer Sessions office at 513-745-4381 after January 1 to reserve a copy.



THE UNIVERSITY

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 young men in the Ohio area. This institute of arts and sciences was the first Catholic institution of higher learning in the entire 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 Father Roothan, the Jesuit General, responded to the bishop's request and appointed three Jesuit priests, two brothers, and two scholastics to assume the leadership of the college. Its name was changed to St. Xavier College in honor of the Jesuit 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 the development of its College of Business Administration, established in 1961, which, together with the other undergraduate colleges—the College of Arts and Sciences and the College of Social Sciences—provide 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.

In 1980 Xavier acquired Edgecliff College. The programs at Edgecliff were integrated with those at Xavier and, by 1987, all faculty, staff and students were moved onto the enlarged Xavier campus. Xavier University continues to grow: the graduate program in Hospital and Health Administration added a weekend program in 1990; the Master of Science in Nursing program began in 1992, the same year that the Master of Education program added three new concentrations including a weekend program in Human Resource Development. Xavier's core curriculum, which had been in place for twenty-five years, has been revised to offer students important courses about today's society while maintaining the strong ethical core which has been the base of this Jesuit school's tradition.

Xavier University: Mission Statement

The mission of this Jesuit Catholic University is to graduate men and women who believe they received a superb education and could not have received a better education anywhere in the world, because they are intellectually, morally, and spiritually prepared to take their place and to have a positive impact on a rapidly changing global society.

Xavier's mission is to educate. Our 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, an 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 befit 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: intellectual skills for both a full life in the human community and service in the Kingdom of God; critical attention to the underlying philosophical and theological implications of issues; a world view that is oriented to responsible action and recognizes the intrinsic value of the natural and human values; an understanding and communication of moral and religious values through personal concern and lived witness, as well as by precept and instruction; and a sense of the whole person – body, mind, and spirit.

In keeping with this 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 the 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 a faculty devoted primarily to excellence in teaching, are nurtured by scholarship and research and are supported by a broad range of university ministry and student life programs.

Jesuit Education

Xavier University offers its students the advantages of a quality liberal education, which has always been the core of the Jesuit university. Such an education frees the individual from sole concentration on immediate concerns to explore the diverse achievements of civilization along with the vast potential of the human person.

Jesuit and Catholic education presume 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.

Education at a Jesuit and Catholic institution strives to integrate the intellectual dimension of learning with the spiritual experience of the student and to nurture a strong system of personal moral values. The goal is 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.

Jesuit education is committed to providing students with a supportive learning environment: addressing personal needs, developing career goals, encouraging recreational and aesthetic balance along with the academic curriculum. In addition, opportunities are provided for spiritual and religious growth and a developing habit of service to others.

Assessment

Xavier University demonstrates its commitment to excellence by instituting an assessment program. Xavier's assessment program 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 insure that the assessment program is a success.

College of Arts and Sciences

The College of Arts and Sciences, Xavier's largest and oldest college, accepts the primary responsibility for the liberal education of students at the university. The college also provides systematic concentrations of courses in major fields in order to give a student an understanding in depth of a single academic discipline.

To accomplish these objectives, the college offers majors in the departments of Art, Biology, Chemistry, Classics, Communication Arts, English, History, Mathematics and Computer Science, Modern Languages, Music, Philosophy, Physics, and Theology. At the graduate level, master degree programs are offered in English, History, Humanities, and Theology.

College of Business Administration

The university established the College of Business Administration on September 1, 1961 to prepare students of business administration to be qualified to accept a position of responsibility and leadership in the business community.

The college offers an associate degree in Business Administration, bachelor degrees through the departments of Accounting and Law, Economics & Human Resources, Finance, Information and Decision Sciences, Management, and Marketing, and a Master of Business Administration.

College of Social Sciences

Xavier's newest college, the College of Social Sciences, was formed in 1988, the result of a reorganization of the academic division of the university. The programs in this college have a special focus directed toward society and its needs in the areas of education, health, political life, and community service.

Undergraduate degree programs are offered in the departments of Criminal Justice, Education, Nursing, Political Science and Sociology, Psychology, and Social Work. Master degree programs are available in Criminal Justice, Education, Hospital and Health Administration, Nursing and Psychology.

Center for Adult and Part-time Students

The purpose of this center is to admit and advise students, mainly adults, who wish to pursue an undergraduate degree primarily in the evening and on weekends. The Center also provides advising to non-degree students. Undergraduate students who are less than 22 years of age must be admitted through the Office of Admissions, but may use CAPS for advising after admission.

Consortium Opportunities

Xavier is a member of the Greater Cincinnati Consortium of Colleges and Universities, a consortium of institutions of higher education in southwestern Ohio and northern Kentucky. This membership offers new opportunities for curriculum enrichment through cross-registration for courses not generally available in the home institution. The program is available to all students who are at least half-time. The consortium schools, which may include their branch campuses, are:

The Art Academy of Cincinnati	Cincinnati Technical College	Northern Kentucky University
The Athenaeum of Ohio	College of Mt. St. Joseph	Thomas More College
Chatfield College	Hebrew Union College/Jewish	University of Cincinnati
Cincinnati Bible College	Institute of Religion	Wilmington College
	Miami University	Xavier University

McDonald Memorial Library

The McDonald Memorial Library provides collections and services to support the university's curricula. The collection numbers over 350,000 volumes of books and journals, over 450,000 pieces of microform, and approximately 1,500 journal subscriptions. The library has a collection of approximately 4,500 phonograph records, 250 video cassettes, 250 audio cassettes, and a small collection of compact discs. There is also a browsing collection which contains books of general interest.

The reference collection, located on the first floor, contains general and specialized research materials, such as dictionaries, encyclopedias, indexes, bibliographies, business services, and computerized data bases. The library's online catalog can be used to locate materials.

The University

Reference librarians are available to assist students with their research. Computerized data bases and interlibrary loan services allow students access to materials not owned by Xavier. Xavier students may borrow books and use the facilities and services of area libraries participating in the Greater Cincinnati Library Consortium (GCLC).

Lodge Learning Laboratory

Lodge Learning Laboratory, located on the second floor of Schmidt Hall, is the educational resource center of the Xavier University Libraries. In support of teacher preparation and instruction, the Lodge collection of approximately 10,000 items includes curriculum materials, a children's literature collection, multi-media instructional materials, modern language audio cassettes, computer hardware and software, and audio visual and production equipment.

The staff at Lodge Learning Lab is available to assist students with use of the collection, producing instructional materials, and the operation of audio-visual equipment.

Academic Computing Support Center

The Xavier University Academic Computing Support Center provides a range of services designed to meet a variety of user needs in the areas of instruction and research. Time-sharing computing is available through the DEC VAX/VMS 6230 mainframe system. The central processor has a speed of 8.4 million instructions per second, 64 megabytes of memory, and currently has 2.25 gigabytes of storage space. Access to the time-sharing system is available from terminals in several clusters across campus including four computing labs, Brockman, Kuhlman and Husman residence halls, McDonald Library, Lodge Learning Laboratory and Xavier Village. Access is also available through the use of a modem and dialup telephone lines. World-wide communications through the BITNET and INTERNET networks connect users at Xavier with other users at over one million computer nodes.

Microcomputer systems are also provided through the facilities of the academic computing laboratories. Currently available are the IBM PS/2, Macintosh, and Apple. File transfers between these systems and the VAX are possible through communications packages.

Printing capabilities in the academic computing labs include laser, letter quality, and dot matrix printers. Laser copies can be generated via the VAX, IBM PS/2, and Macintosh systems.

The Academic Computing Support Center routinely offers mini-courses on selected time-sharing and microcomputer topics of interest to both students and faculty. Topics are determined by user demand and new software acquisitions.

Xavier University Art Gallery

Xavier University Art Gallery is a curricular laboratory of the Department of Art. The gallery provides exhibition opportunities for professional visual artists, the art department's students and other occasional visual programs deemed to be of interest to the university's public. Exhibitions follow the university academic calendar of fall and spring semesters.

Study Programs Abroad

Xavier University encourages students to include a semester or a year of study abroad as part of their program of study. To this end the Director of Study Abroad assists students in planning for such studies and maintains a resource center of information on educational opportunities throughout the world. Normally, with careful planning, the credits obtained while studying abroad apply to the student's Xavier program of study and do not lengthen the time required to complete it.

Xavier participates in numerous programs abroad, usually through joint arrangements with other universities, particularly with other Jesuit universities. Xavier University has a direct student exchange agreement with Sophia University in Tokyo and Sogang University in Seoul, both Jesuit universities. Through a long-standing endowed scholarship fund, Xavier University awards several Fredin Memorial Scholarships each year, which allow recipients to study for one calendar year at the University of Paris (Sorbonne).

In addition to the academic year programs, Xavier usually sponsors summer study programs in Austria, Brazil, France, Mexico, and Spain. For detailed information contact the Director of Study Abroad.

Accreditation

The University is accredited by the North Central Association of Colleges and Schools and the Ohio Board of Regents as a degree-granting institution, and is approved by the Department of Education of the State of Ohio for teacher certification. It is also approved by the American Chemical Society for its training in chemistry, approved by the Ohio Board of Nursing for its nursing programs and accredited by the National League of Nursing (NLN) Council of Baccalaureate and Higher Degree Programs for its nursing degree completion program, and the NLN's Council of Associate Degree Programs for its associate degree. Xavier is accredited by the Council on Social Work Education (CSWE) for its baccalaureate social work program, and by the Committee on Allied Health Education and Accreditation (CAHEA) for its radiologic technology program. The graduate program in hospital and health administration is accredited by the Accrediting Commission on Education for Health Services Administration.

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 Assembly of Collegiate Schools of Business; 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 Administrators; American Correctional Association; American Council on Consumer Interests; American Council on Education; American Council on Teaching of Foreign Languages; American Film Institute; American Historical Association; American Library Association; American Management Associations; American Mathematical Society; American Montessori Society; American Political Science Association; American Production and Inventory Control Society; American Society for Training and Development; 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 Catholic Colleges & Universities; Association of College Unions—International; Association of Departments of English; Association of Independent Colleges and Universities of Ohio; Association of Jesuit Colleges and Universities; Association of Professors and Researchers in Religious Education; Association of University Programs in Health Administration; Canadian Historical Association; Canadian Sociology and Anthropology Association; Catholic Theological Society of America; Center for the Study of Democratic Institutions; Central States Conference on Teaching of Foreign Languages; College and University Personnel Association; The College Board; College English Association of Ohio; College Theology Society; Conference on Partnership in Jesuit Higher Education; Consortium on Peace Research Education and Development; Council for Advancement and Support of Education; Council of Colleges of Arts and Sciences; Council of Graduate Schools; Economic History Association; Greater Cincinnati Consortium of Colleges and Universities; Greater Cincinnati Library Consortium; Handweavers Guild of America; Hastings Center; Institute of International Education; International Business School Computer User's Group; International Reading Association; Jesuit Conference of Nursing Programs; 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 Counselors; National Association of College and University Business Officers; National Association of Elementary School Principals; National Association of Foreign Student Advisors; National Association of Independent Colleges and Universities; National Association of Secondary School Principals; National Association of Student Financial Aid Administrators; National Association of Student Personnel Administrators; National Catholic Educational Association; National Collegiate Athletic Association; National Committee on Planned Giving; National Council for the Social Studies; National Council of

Schools 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 Summer Schools; Ohio Academy of Sciences; Ohio Assembly of Deans & Directors of Baccalaureate and Higher Degree Programs; Ohio Association of College Admission Counselors; 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 Foreign Language Association; Royal Historical Society; 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; World Trade Association.

HONOR SOCIETIES and PROFESSIONAL FRATERNITIES

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.

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.

Kappa Kappa Psi Organized on campus in 1968, Kappa Kappa Psi is a national band honorary fraternity that recognizes academic achievement and service.

National Society of Pershing Rifles The purpose of Pershing Rifles is to develop outstanding traits of leadership, military bearing, and discipline within the framework of a military oriented, honorary fraternity. Members are selected annually by representatives of the existing membership. Criteria for membership selection is leadership potential and academic grades. Elected members are awarded a purple fourragere to be worn with the uniform.

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 and the honoring of outstanding achievements in economics; the establishment of closer ties between students and faculty in economics within the college and with other universities.

Pi 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 Delta Phi Iota Omicron is Xavier University's chapter of the National French Honor Society.

Pi Mu Epsilon The Ohio Theta Chapter of Pi Mu Epsilon, the national honorary mathematics society, was established at Xavier University in 1962. The purpose of this organization is the promotion of scholarly activity in mathematics among students majoring in mathematics or related subjects who have achieved distinction in scholarship and have done outstanding work in mathematics.

Psi Chi This national honorary fraternity was founded in 1929 for the purpose of encouraging, stimulating, and maintaining scholarship in, and advancing the science of, psychology. Membership is open to graduates and undergraduates who are making the study of psychology one of their major interests and who have achieved academic distinction at Xavier University.

Sigma Delta Pi Rho Upsilon is Xavier University's chapter of the National Spanish Honor Society.

Sigma Pi Sigma The purposes of the Xavier University chapter of Sigma Pi Sigma, national physics honor society, are to serve as a means of awarding distinction to students having high scholarship and promise of achievement in physics, to promote their interest in research, to encourage professional spirit and friendship among physics students, and to popularize interest in physics.

UNDERGRADUATE ADMISSIONS

Application and Requirements for Admission

Students applying to Xavier University must do the following:

1. Submit an "Application for Admission" form, which can be obtained from the Office of Admissions or from the Center for Adult and Part-time Students (CAPS). The completed form should be returned to the appropriate office with the application fee. This fee is not refundable nor applicable to any account.
2. Request the high school (and post-secondary institutions attended) to forward directly to the Office of Admissions or CAPS a complete and official transcript of the academic record.
3. Request scores of the Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT) to be forwarded to the Office of Admissions or CAPS.

Credentials received for admission become the property of the university. All credentials should be on file at least one month before the first day of classes, although admission for a given year may close earlier than that. Check with the Office of Admissions for anticipated closing date.

Candidates for admission must graduate from high school with a minimum average grade of "C+". Some applicants whose averages are lower may be considered at the discretion of the Committee on Admissions. In addition to the high school average, evidence of a student's potential for success in college studies is judged by the rank in class, strength of college preparatory curriculum, ACT or SAT scores, the comments offered on recommendations, college transcripts, and for adults, life and work experiences. Xavier seeks to enroll students who have the following preparation:

English, 4 units

Mathematics, 3 units

Social Sciences, 3 units

Physical/Natural Sciences, 2 units

Foreign Language, 2 units

Electives, 2+ units

Admission Through the Center for Adult and Part-Time Students (CAPS)

The purpose of the center is to admit, advise, and register all non-degree students and undergraduate degree-seeking students 22 years of age and older. Undergraduate degree-seeking students who are under 22 years of age must be admitted through the Office of Admissions, but may use CAPS for advising and registering if they take courses primarily in the evenings or on weekends.

Provisional Admission

Provisional admission may be granted by the Director of Admissions 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 and room and board charges will be prorated.

High School Equivalence

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 Admissions, or if they are applying to the Center for Adult and Part-time Students (CAPS), to that office.

Advanced Placement and Credit by Examination

Xavier University participates in the Advanced Placement Program of the College Entrance Examination Board. Ordinarily, a score of “3” or better in an Advanced Placement examination will earn the student an advanced placement with credit in that discipline. Xavier also participates on a limited basis in the College Level Examination Program (CLEP) of the College Entrance Examination Board.

Entering students will also be awarded advanced placement with credit for college level courses taken during their high school years under the auspices of a duly accredited university or college. Credit will be granted in these courses provided the student earned a passing grade. An official transcript must be sent to Xavier’s Admissions Office.

International Baccalaureate Policy

Xavier University grants college credit for classes taken through a recognized International Baccalaureate (IB) program. Students can earn credit for up to three successfully completed Higher Level classes in which a score of “4” or better is achieved on the appropriate IB examination. For more information contact the Admissions Office.

Additional Enrollment Options

Xavier University has for many years offered academically talented high school students the opportunity to enroll as non-degree students in undergraduate courses on a space available basis. This opportunity includes the following options:

- The Summer Junior Program is offered to high school students who have completed their junior year and who have a grade point average of at least “B” and satisfactory PSAT and/or ACT scores. Accepted students may take one course from selected offerings during the regular summer sessions. There is no tuition charge unless the credit is later transferred to another university. Contact your high school advisor for more information.
- Xavier University participates in the Post-Secondary Enrollment Option which allow superior junior and senior high school students to attend the university at no charge during the regular academic year. Contact the Xavier Admissions Office for more information.
- High school students may register for regular undergraduate courses during any semester with the written approval of their principal or advisor. Students attending under this option are responsible for all usual tuition and fee charges. Contact the Center for Adult and Part-time Students for more information.

Summer Academic Bridge Program

The Summer Academic Bridge program is designed to help selected freshmen “bridge the gap” in their academic backgrounds through counseling, tutoring, and appropriate course selection. The program provides assistance to thirty incoming freshmen who need further academic work to help them improve their English, mathematics, and critical reading skills. These students are selected by Xavier’s Admissions Committee. The selection is based on the student’s high school GPA, SAT and/or ACT scores, comments and recommendations of high school counselors, and evidence of a strong motivation for success in college.

Failure to complete any course successfully will require the student to repeat it in the fall term, and in the case of mathematics or English, prevent the student from taking an advanced mathematics course or English 101 until the failed course has been successfully completed.

Readmission

An applicant who was previously registered at Xavier and has not been registered at Xavier for a fall or spring semester is required to complete a Readmission Application Form before registering as a full-time student. The form is available in the Registrar’s Office. Applicants who want credit for coursework taken at another university during their absence from Xavier must

present a transcript promptly. See the entry under Transfer Students below for time limitations on the acceptance of coursework.

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

Transfer Students

Xavier University accepts qualified students from other regionally accredited institutions of higher education. In addition to the credentials required of all freshmen applicants, transfer students must forward to the Office of Admissions or CAPS complete and official transcripts from all post-secondary institutions attended and a listing of all courses which may be in progress and their corresponding credit hours.

The rank of advanced standing to which the student will be admitted will depend upon the quantity and quality of the work done in the other accredited institutions, and the conformity of the work to the degree program for which the student wishes to register. Credit is given for all academic courses (except co-op and life experience) in which a passing grade (of "D" or better) has been received. Certain programs require a grade of "C" or better. Consult with the department chair.

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. At least one-half of the course requirements of the major and the last 30 semester hours must be completed at Xavier University for all undergraduate degrees. At least one-half of the business core must be completed at Xavier University for business majors. At least 60 hours towards a bachelors degree must be earned in four-year degree programs.

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 or, in the case of business students, pertains to the "business core". Credits over ten years old which pertain to the university core curriculum or are free electives will usually be accepted.

Transfer students must meet the on-campus housing requirement. See Student Services section.

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 credits.
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. Students who transfer 40 or more credits including one or no 3-credit theology course must complete two appropriate 3-credit theology courses at Xavier. Students who transfer 80 or more credits including two or fewer 3-credit theology courses must complete one appropriate 3-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.

Non-degree Students

Students who do not wish to pursue a degree may be admitted, advised and registered through the Center for Adults and Part-Time Students as special "non-degree" students. A student wishing to change from non-degree status to degree status must apply for admission to the university as a degree-seeking student, and must meet regular transfer admission standards. No more than 18 hours of Xavier credit taken under non-degree status will be applied toward a degree at Xavier.

International Students

Students from foreign countries who wish to apply to Xavier University must do the following before formal acceptance will be granted and a Form I-20 will be issued:

1. Submit an application form.
2. Submit official documentation, i.e., transcripts, proof of graduation, etc. (in English translation) of all secondary work; an applicant must have completed the level of education required for university admission in the student's native country.
3. Students whose native language is other than English must submit evidence of English proficiency through a recognized examination such as the Test of English as a Foreign Language (TOEFL—score of 525), the Michigan English Test, or a test from another accredited agency. Successful completion of the Xavier University program of English as a Second Language DOES NOT guarantee admission to the university.
4. The student's sponsor must submit an affidavit that all expenses will be paid, plus a separate statement from an official source which gives evidence of the sponsor's ability to meet the expenses;
5. Submit an official medical examination report.

All documents should be received by the Office of Admissions at least three months prior to the intended term of enrollment.

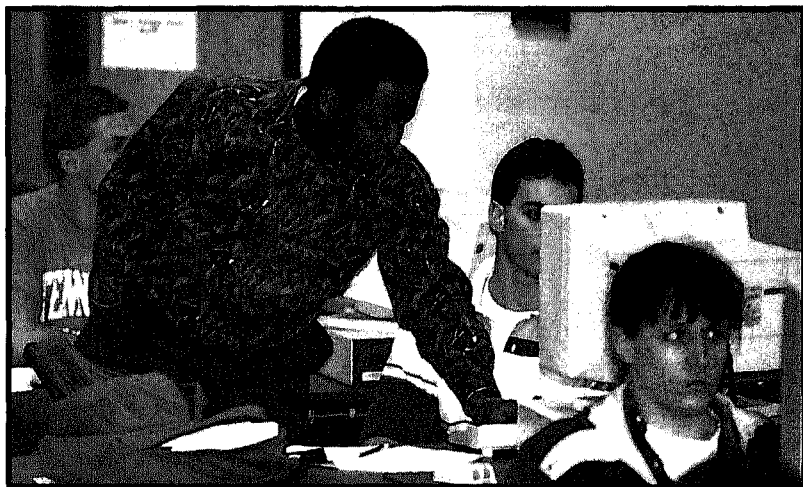
International students who have been admitted to the University must meet the University's on-campus housing requirement. See Student Services section.

Veterans

Xavier University is approved for the education and training of veterans and their dependents under all existing public laws. Requests for information should be referred to the Director of Veteran's Educational Benefits, Registrar's Office, Xavier University. Xavier is a Service Members Opportunity College (SOC). Contact the Office of Admissions for further information on SOC.

Graduation Rate

In compliance with Title I of the Student Right To Know Act, the completion or graduation rate by August, 1991 for students who entered Xavier University in 1986 on a full-time basis was 67.6%.



UNDERGRADUATE SCHOLARSHIPS AND FINANCIAL AID

Standards of Academic Progress

All financial aid recipients must be making satisfactory academic progress towards their degrees. Progress is measured by a combination of grade point average and time. Specific details are included with financial aid awards, and are available in the Financial Aid Office.

Information Sources

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

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

SCHOLARSHIPS

Regulations Concerning Scholarships

1. With the exception of the Xavier Undergraduate Service Fellowships and the Fredin Memorial Scholarships, all Xavier-sponsored scholarships are only applicable to tuition. 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.
2. Only full-time students are eligible for scholarships.
3. Scholarships must be accepted for the period of time indicated in the award letter from the Financial Aid Office, and they are forfeited in the event that the recipient does not enroll. An individual who wishes to have a forfeited scholarship reinstated must reapply for it.
4. 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.
5. 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 if the holder receives financial aid from some other source.

The Xavier Undergraduate Service Fellowships

These full tuition, full room and board fellowships are awarded annually on a competitive basis to incoming freshmen in recognition of the highest academic achievement and a solid record of volunteer service to school, community and/or church. Fellowships are renewable each year for four years if the recipient maintains full-time status and a minimum cumulative grade point average of 3.000 in the freshman year and 3.250 cumulative average thereafter. In addition, the recipient must perform a specified amount of services throughout the four years.

St. Francis Xavier Scholarships

These full-tuition scholarships are awarded annually to incoming freshmen in recognition of superior leadership talent, and the highest academic achievement. They are renewable for four years if the recipient maintains full-time status and a minimum cumulative grade point average of 3.000 in the freshman year and 3.250 cumulative average thereafter.

Undergraduate Financial Aid

Trustee, Presidential, and Honor Scholarships

These partial tuition scholarships are awarded to incoming freshmen and transfer students in recognition of superior talent and high academic achievement. Further information about these awards can be obtained by contacting the Office of Admission or the Office of Financial Aid. These scholarships are renewable each year for four years if the recipient maintains full-time status and a minimum cumulative grade point average of 3.000 in the freshman year and 3.250 cumulative average thereafter.

Upperclass Scholarships

Upperclass students who have no other Xavier-sponsored scholarship may be eligible for a partial-tuition scholarship. Applicants must have completed at least 24 hours at Xavier with a cumulative average of at least 3.250 for two consecutive semesters. Students must be full-time and must complete the necessary financial aid applications.

Departmental Scholarships

Six departments, Chemistry, History, Classics (Latin), Mathematics, Modern Languages (French or Spanish) and Physics, each offer one \$2,000 scholarship to the incoming freshman who scores highest on the departmental examination administered on campus each year. Details are available from the Office of Admission. These awards are given in addition to any other partial scholarship for which the winner might be eligible. They are renewable for four years as long as the winner is a full-time student, maintains the appropriate major, and achieves a 3.000 cumulative grade point average in the freshman year and 3.250 cumulative grade point average thereafter.

McAuley Scholarships and the Scholastic Art Awards

These talent scholarships, some full-tuition and some partial, are awarded annually to incoming freshmen, and, in some cases, to transfer students who plan to major in art or music. They are awarded on a competitive basis. Interested prospective students should contact the Office of Admission for further details.

Edgecliff Scholars Awards

These partial tuition scholarships are awarded to incoming freshmen with financial need. First consideration is given to the dependents of Edgecliff alumni. These scholarships are renewable each year for four years if the recipient maintains full-time status and a minimum cumulative grade point average of 3.000 in the freshmen year and 3.250 cumulative average thereafter. Application forms are available in the Edgecliff Alumni Office.

Fredin Memorial Scholarships

Each year the Fredin Scholarship Committee awards scholarships to worthy students to help them finance one full year of study at the University of Paris (Sorbonne). Established from the bequest of Mlle Aline Fredin in memory of her parents, these scholarships are awarded on a competitive basis to Xavier students who have attained at least junior standing.

The Fifth Third Bank/Jacob G. Schmidlapp Scholarships

Scholarships awarded to students majoring in Montessori Education. Further information is available in the Montessori Education Office.

The Jack G. and Mary C. Downing Faculty/Student/Mentor Scholarships

Partial tuition scholarships awarded to upperclass students in the College of Business Administration interested in undergraduate research directed by a college faculty member. A member of the college's Business Advisory Council serves as a mentor to the student. Further information is available in the Dean's office.

The Pedro Arrupe Scholarship

One full-tuition scholarship awarded once every four years to an incoming African-American student in recognition of high academic achievement and community involvement. It honors the former Superior General of the Society of Jesus (Jesuits). Further information is available in the Office of Admission.

ROTC Scholarships

The Department of the Army annually awards two-year, three-year, and four-year ROTC Scholarships to outstanding students. Information and application for the four-year merit scholarships are submitted by high school senior candidates through the Army ROTC, Fort Monroe, VA. 23651. For additional information, high school seniors should contact their guidance counselors or the Xavier University Military Science Department. Annually, two-year and three-year scholarships are awarded to members of the Xavier University sophomore and freshmen ROTC classes respectively. All scholarships cover the cost of books, 80% of tuition, fees, plus a monthly \$100 subsistence allowance for not more than ten months of the school year. Xavier University will pay the remaining 20% of tuition and fees each semester (up to 18 credit hours).

Scholarships are also available through the Air Force ROTC at the University of Cincinnati. Students may enroll in this program through the consortium. For more information contact the Department of the Air Force at the University of Cincinnati, 556-2237.

OTHER FINANCIAL AID

Contact the Office of Financial Aid for information and assistance.

Xavier Tuition Grants

Xavier University awards tuition grants to students who demonstrate financial need. Students should complete the Free Application for Federal Student Aid (FAFSA), and the Financial Aid Form (FAF), available at high schools and colleges, and request that the information be sent to Xavier University, Code #1965.

Ohio Instructional Grants Program

The Ohio Instructional Grants Program, established by the 108th Ohio General Assembly, offers financial aid to Ohio residents who are enrolled full-time as undergraduates in an eligible Ohio institution of higher education. The amount is based upon the adjusted effective income of the family, the number of dependent children in the family, and the total instructional charges of the educational institution. For further information, contact the Financial Aid Office.

Ohio Student Choice Grants

Ohio Student Choice Grants are awarded to Ohio residents enrolled for 12 or more hours provided the student is working toward a bachelor's degree and the student was not a full-time college student at any college prior to July 1, 1984. Students are required to complete the Ohio Residency Verification form available from the Financial Aid Office.

Grants - Center for Adult and Part-time Students

The Center for Adults and Part-time Students (CAPS) awards grants to students registered through CAPS. The grants are based on financial need and are only awarded to students who do not receive other forms of financial aid. For further information contact the CAPS office.

Undergraduate Financial Aid

Federal Financial Aid Programs

Students applying for the following federal financial aid programs must meet these requirements:

1. Be a U.S. citizen or an eligible non-citizen.
2. Maintain satisfactory academic progress.
3. Must be enrolled as a regular student in a degree or certificate program.
4. Not be in default on any federal loan or owe a refund on a federal grant.
5. Have demonstrated financial need.

Federal Pell Grants

The Pell Grant Program provides grants to students with exceptional financial need. The student submits a Student Aid Report to the Financial Aid Office to determine the amount of the grant.

Federal Supplemental Educational Opportunity Grant (SEOG)

A Supplemental Educational Opportunity Grant is for students with exceptional financial need (with priority given to Pell Grant recipients). While grants may range from \$200 to \$4,000, the amount of the awards is limited by federal funding.

The Federal Work-Study Program (FWS)

The Federal Work-Study Program provides jobs for students who demonstrate financial need. Earnings for this program are funded by the federal government and the university. Pay must be at least the current federal minimum wage. 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.

Federal Perkins Loan

The Perkins Loan is a low-interest loan to assist students with financial need. Recipients are selected by the institution. Repayments begin on a monthly basis within nine months after the borrower ceases to be at least a half-time student.

Federal Stafford Loan (subsidized)

A Stafford Loan is a low interest loan made to college students by banks, savings and loan associations or credit unions. 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 repayment start six months after the borrower ceases to be at least a half-time student.

Federal Stafford Loan (unsubsidized)

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

Parent Loan for Undergraduate Students (PLUS)

Parents may borrow up to the total cost of attendance, minus financial aid, for each of their dependents attending college. There is no limit on family earnings. The interest rate is variable. Interest begins at disbursement of the funds and the parents start making payment 30 days after disbursement. The loan must be completely repaid within 10 years from the most recent loan. Applications are available from banks, savings and loan associations and credit unions.

Endowed Scholarships

Donations to the permanent scholarship fund of Xavier University honor and memorialize many individuals, classes, and organizations, some of whose names are listed below. The income from this permanent endowment is used to award the university-sponsored scholarships described above.

Florence & Laura Albers Memorial Scholarship
Audrey C. Alonso Memorial Scholarship
Mr. & Mrs. William L. Alter Scholarship
Alumni Chapter Scholarships - Cleveland, Columbus, Dayton, Detroit, Toledo
Charles B. Amann Scholarship
Robert Antonelli Memorial Scholarship
Pedro Arrupe, S.J., Memorial Scholarship
Msgr. Charles E. Baden Memorial Scholarship
Paul A. Bardon Memorial Scholarship
Dr. Charles M. Barrett, '34, Memorial Scholarship
Beckman Family Scholarship
C. Robert Beirne Memorial Scholarship
Rev. Clifford S. Besse, S.J., Memorial Scholarship
Blakely Family Memorial Scholarship
Edmund J. Bradley Memorial Scholarship
J. Peter Brady Memorial Scholarship
Brennan Corporation Scholarship
Mother Hilda Brennan Memorial Scholarship
Mildred C. Brinn Scholarship
Albert F. and Bernadetta Broering Memorial Scholarship
- in memory of Rev. Theodore Rolfes and Ada M. Rolfes
Brueggeman Scholarship
Clem and Ann Buenger Scholarship
John R. Bullock Memorial Scholarship
Henry Bunker Memorial Scholarship
Paul & Betty Burkhart Scholarship
Raymond L. Buse Memorial Scholarship
Anne D. Butz Memorial Scholarship
Kathleen McDonough Buzek Memorial Scholarship
Centennial Scholarship
Ralph W. Chambers, '48, Memorial Scholarship
Helen Clark Scholarship
C. A. Clasgens Memorial Scholarship
Class of 1931 50th Anniversary Scholarship
Class of 1932 50th Anniversary Scholarship
Class of 1933 50th Anniversary Scholarship
Class of 1956 25th Anniversary Scholarship
Class of 1958 25th Anniversary Scholarship
Class of 1961 25th Anniversary Scholarship
Class of 1969 Scholarship
Class of 1970 Scholarship
Class of 1971 Scholarship
Class of 1973 Scholarship
Class of 1974 Scholarship (in memory of Doreen Jankowski)
Class of 1985 Scholarship
Ralph and Julia Cohen Scholarship
Cohen Foundation Scholarship
Michael Conaton Family Scholarship
Helen and Harry Cordesman Memorial Scholarship

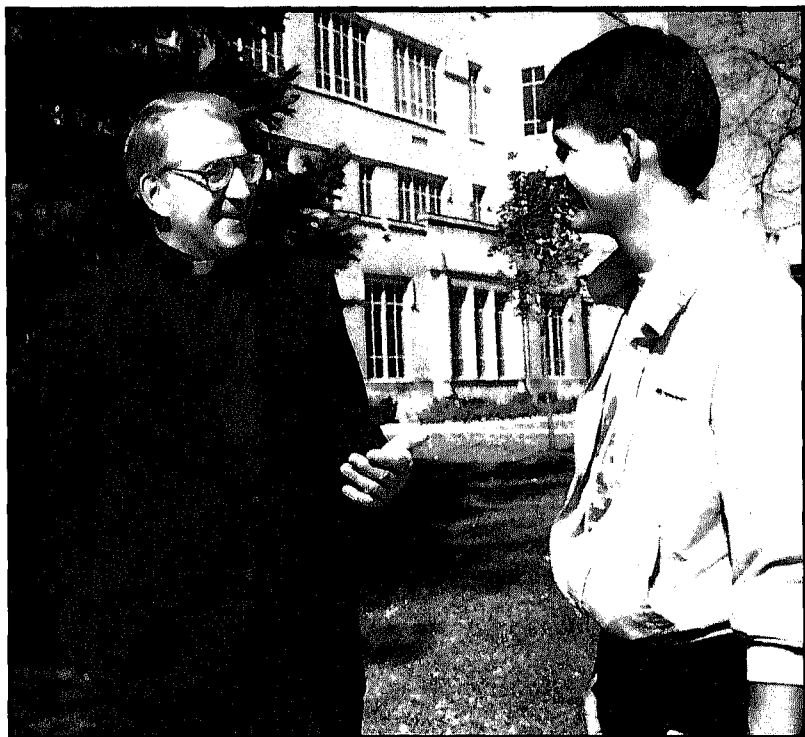
Undergraduate Financial Aid

James H. and Mary S. Curran Memorial Scholarship
Jack Currus Memorial Scholarship
Raymond and Grace Daley Memorial Scholarship
William H. Deddens Memorial Scholarship
Helen Hennigan Diehl - Thomas J. Klinedinst Scholarship
Rev. Albert Dierkes, S.J., Memorial Scholarship
The Dornheggen Scholarship
Jack G. & Mary C. Downing Faculty/Student/Mentor Scholarships
Robert J. Drieaus Scholarship
James W. Duff Scholarship
Jesse K. Dunn Memorial Scholarship
Joseph E. Ebertz Memorial Scholarship
Edgecliff Scholars Scholarship
John Eick Memorial Scholarship
Jerome and Mary Jean Esselman Scholarship
James R. Favret/DH&S Memorial Scholarship
The Fifth Third Bank/Jacob G. Schmidlapp Scholarships
Mary Flaspohler Memorial Scholarship
Charles Fleischmann Endowment Scholarship
Anna Louise Flynn Memorial Scholarship
Rev. Lawrence J. Flynn, S.J., Memorial Scholarship
John A. Fogarty Scholarship
Foss Family Scholarship
Fredin Memorial Scholarships
Garry Family Memorial Scholarship
Msgr. William Gauche Memorial Scholarship
Steven D. Gerke Memorial Scholarship
Harry J. Gilligan Memorial Scholarship
James F. Griffin, III, Memorial Scholarship
L.H. Gunter Memorial Scholarship
Dr. Thomas J. Hailstones Scholarship
John P., Sr., John P., Jr., '57, and Gertrude Haley Memorial Scholarship
Rita Elsaesser Harpenau Memorial Scholarship
Robert F. Hartman Scholarship
Frederick A. Hauck Physics Research Scholarship
Rev. William P. Hetherington, S.J., Memorial Scholarship
Mrs. F. W. Hinkle Memorial Scholarship
Harry Hocks Memorial Scholarship
James & Lydia Hoff Memorial Scholarship
Hon. Timothy S. Hogan, '30, Memorial Scholarship
Louis J. Homan Scholarship
Charles Housley Scholarship
Mr. & Mrs. David R. Huhn Scholarship
Thomas K. Jenkins, Jr., Memorial Scholarship
Antonio Johnson Memorial Scholarship
Richard A. Jones Memorial Journalism Scholarship
Hugh Patrick Kietly Memorial Scholarship
Marianne & Donald P. Klekamp Scholarship
Thomas J. Klinedinst Scholarship
Kohlhepp Scholarship
David and Tina Kohnen Scholarship
Eva Kroger Memorial Scholarship
Leo G. Kuhlman Memorial Scholarship
Otto Kvapil Memorial Scholarship

Glen A. LaGrange Memorial Scholarship
Margaret C. Link Memorial Scholarship
Long Memorial Scholarship
Edward F. Macke, '98, Memorial Graduate Scholarship
Fred F. Mackentepe Memorial Scholarship
William V. Masterson, '41, Memorial Scholarship
Walter A. McDonald Memorial Scholarship
Walter A. and George McDonald Memorial Fund
Kenneth R. (Bill) McKowen Memorial Scholarship
Archbishop McNicholas Memorial Scholarship
Angela Del Vecchio Miller Memorial Scholarship
Rev. Frederick N. Miller, S.J., Memorial Scholarship
Roland & Margo Moores Scholarship
Marvin J. Moran Memorial Scholarship
John L. Muething Scholarship
Rev. Robert W. Mulligan, S.J., Scholarship
NJSHMG Scholarship
Mary E. Nebel Memorial Scholarship
John H. Newman Memorial Scholarship
John F. Niehaus Memorial Scholarship
Katherine Niehaus Memorial Scholarship
Rev. Victor B. Nieporte, S.J., Memorial Scholarship
Louis & Louise Nippert Fine Arts Scholarship
Mary and Al Nurre Scholarship
Mr. & Mrs. Fletcher E. Nyce Scholarship
Rev. Edward J. O'Brien, S.J., Memorial Scholarship
Rev. Paul L. O'Connor, S.J., Memorial Scholarship
Mr. & Mrs. Theodore H. Oppenheim Memorial Scholarship
James & Mary Patton Scholarship
John & Francis Pepper Scholarship
Peterloon Foundation Scholarship
Rev. Joseph J. Peters, S.J., Scholarship
Rev. William F. Poland, S.J., Memorial Scholarship
A. Poplis Family Memorial Scholarship
Procter & Gamble Scholarship
Glen Randolph Scholarship
Joseph B. Reynolds Memorial Scholarship
Lt. Robert T. Rice, Jr., Memorial Scholarship
William J. & Mary K. Rielly Scholarship
Claude A. Ritter Memorial Scholarship
Matthew Ryan Family Memorial Scholarship
Ryan Sisters Memorial Scholarship
Wilson J. (Woody) Sander Memorial Scholarship
Rev. Thomas G. Savage, S.J., Memorial Scholarship
Jacob G. Schmidlapp Memorial Scholarship
Rev. William J. Schmidt, S.J., Memorial Scholarship
Danny Scholl Memorial Music Scholarship
Jacob W. Schweizer Memorial Scholarship
Frank & Loretta Sedler Scholarship
Lawrence W. Selzer, '31, Memorial Scholarship
Mary B. Shannon Memorial Scholarship
Mary Claire Shaunnassy Memorial Scholarship
Margaret Shea Memorial Scholarship
Thomas Siemers Family Scholarship

Undergraduate Financial Aid

Janet and Ralph Sieve Scholarship
Sisters of Mercy Scholarship
Dr. James H. Spraul, '53, Memorial Scholarship
George Springmeier Memorial Scholarship
Sherri Lee Stiefler Memorial Scholarship
Elizabeth Sullivan Memorial Scholarship
James & Cornelia Templeton Memorial Scholarship
Dr. & Mrs. William J. Topmoeller Memorial Scholarship
Fred Tuke Memorial Scholarship
Rev. Benjamin Urmston, S.J., Peace Studies Scholarship
Gertrude L. Vasey Memorial Scholarship
Mary Poland Verkamp Memorial Scholarship
Peter J. Viviano Athletic Scholarship
A.R. Vonderahe, M.D., Memorial Scholarship
Marcella B. & Edward P. VonderHaar Memorial Scholarship
Frank B. Walsh Memorial Scholarship
Mary Manning Walsh Memorial Scholarships
John A. Wiethe, '34, Memorial Scholarship
Elizabeth Ryan Williams Memorial Scholarship
Williams Family Scholarship
Worpenberg Family Memorial Scholarship
G. Milton Wurzelbacher Memorial Scholarship
E. Nelson Zoeller Memorial Scholarship



UNDERGRADUATE ACADEMIC POLICIES & REGULATIONS

Classification of Undergraduate Students

1. Freshmen - students have earned 1 through 23 credit hours
2. Sophomores - students have earned 24 through 54 credit hours
3. Juniors - students have earned 55 through 89 credit hours
4. Seniors - students have earned a minimum of 90 credit hours
5. Non-degree - students who have not declared themselves candidates for a degree at Xavier
6. Transients (guests) - students from another college or university taking courses as a non-degree student at Xavier for transfer back to their home institution
7. Auditors - students taking courses but not for college credit
8. Part-time - any student 1 through 11 semester credit hours
9. Full-time - any student carrying 12 or more semester credit hours

Credit Hours

A 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 number is the Arabic numeral following the title of the course. The courses are listed by department within the colleges.

Course Load

When selecting courses, students must adhere to required prerequisites and special course restrictions established by the colleges and academic departments. The following maximum course loads may only be exceeded, even if the additional hours are to be taken for audit, with permission from the student's dean.

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

Grading System

A - Exceptional	I - Incomplete, changed when grade is assigned.
B - Good	See Incomplete work, page 28.
C - Satisfactory	AU - Audit, no credit or grade
D - Minimum passing	S - Passing/Satisfactory, credit earned
F - Failure	U - Not passing/Unsatisfactory, no credit earned
W - Withdrawal	NC - No credit earned, non-graded class
	NR - No grade reported or class has not concluded

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 is only given in certain courses; letter grades are not given in these courses.

Auditing Courses

Anyone wishing to audit a course may do so. An audited course does not carry credit or earn a grade. Regular tuition rates apply. See page 44 for additional information.

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 yielded by the course. Quality points are given as follows:

A - 4 points per credit hour

B - 3 points per credit hour

C - 2 points per credit hour

D - 1 point per credit hour

F - 0 points per credit hour

I - 0 points per credit hour

The student's grade point average for any term is computed by dividing the total number of quality points by the total number of credit hours attempted in that term. NC grades are not calculated into quality points. 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.

Dean's List

In any term, students who complete at least six credit hours for letter grades (i.e., not Satisfactory/Unsatisfactory) with an average of at least 3.500 are placed on the Dean's List for that term.

Incomplete Work and Attendance

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" (Incomplete) will be assigned. Unless a grade change is submitted by the fifteenth calendar day of the academic semester following the course, the student will be recorded as failing the course. Exceptions to this policy must be approved in writing by the appropriate dean prior to the that date.

A student missing the final examination of a course receives an F 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. In order to secure credit in any registered course, 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, missed class and test procedures are determined by the 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 figured into the student's Xavier grade point average. For a list of the consortium schools, see page 11 of this catalog. The student must be at least half-time and must take written approval for consortium enrollment from the dean of his/her college to the CAPS Office.

Non-Consortium Courses

Students desiring to take courses at an accredited non-consortium university must receive prior approval from their respective dean. Normally no more than 15 hours may be transferred 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 passing grade 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.

Electives

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 towards electives.

Change of Major

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

Requirements for Bachelor Degrees

Meeting the degree requirements is the student's responsibility. Candidates for bachelor degrees must have:

1. completed the requirements listed under the "Core Curriculum," pages 60-61;
2. attained a 2.000 average in the course work of the major; College of Business Administration students must also complete the business core with a 2.000 average;
3. attained a cumulative grade point average of 2.000;
4. earned at least 120 hours;
5. completed the last 30 hours at Xavier unless waived by a college dean;
6. transferred, normally, no more than 15 hours from another college or university toward a degree after matriculation at Xavier;
7. filed a formal application for the degree by the deadline printed in the calendar in the front of this catalog;
8. completed all departmental requirements in the major field and all requirements of their respective college;
9. met all financial obligations to the University.

In addition to the above, transfer students must have:

10. completed at least 60 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.

Requirements for Associate Degrees

Meeting the degree requirements is the student's responsibility. Candidates for associate degrees must have:

1. completed the appropriate requirements listed under the "Core Curriculum - Associate Degree," page 62;
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 unless waived by a 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 application for the degree by the deadline printed in the calendar in the front of this catalog;
8. completed all departmental requirements in the concentration field and all requirements of their respective college;
9. met all financial obligations to the University.

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 a Second Bachelor Degree

Students who have a bachelor degree from a regionally accredited institution may earn a second bachelor 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 elective course will be waived.
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. Students who transfer with two or fewer 3-credit theology courses must complete one appropriate 3-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.

The Major

Students must complete all the requirements of their program. Before selecting their program or major or when changing from one major to another, students should consult an academic advisor. The declaration of a major or a change of major is handled through the offices of the deans. In order to graduate with more than one major, a student must complete all the curricular requirements of each major. Each major is noted on the student's permanent record, but only one degree is conferred, namely the one that corresponds to the student's first major. The student must complete the core curriculum requirements of the first major. The core curriculum requirements of the second major need not be completed unless a business major is elected as the second major. In this case, the requirements of the "business core" must also be met. (See page 141). No more than 6 hours may be in common to both majors.

The Minor

Students may select a minor or minors in addition to the major. The declaration of a minor or a change of minor is handled through the offices of the deans.

Half of the minor courses must be completed at Xavier. A minimum grade point average of 2.000 must be attained in the course work of the minor in order for it to be acknowledged on the student's permanent record.

Students may not apply the same courses toward two minors, or toward both a disciplinary major and a disciplinary minor. Only 6 hours may be applied toward both a disciplinary major and a multidisciplinary minor*, or toward both a disciplinary minor and a multidisciplinary major (International Affairs, Natural Sciences).

Students should consult with the appropriate program director concerning specific requirements for a minor. The following minors are available:

Biology	Greek	Physics
Business	History	Political Science
Chemistry	International Affairs*	Psychology
Classical Humanities	Jazz	Secondary Education
Computer Science	Latin	Spanish
Criminal Justice	Mathematics	Theology
Economics	Montessori Education	Women's and Minorities'
English	Music	Studies*
French	Peace Studies*	
German	Philosophy	

Graduation Honors

Honors are awarded on the basis of outstanding attainment. For a bachelor degree, a student who has earned a quality point average of 3.900 in Xavier course work will be graduated *summa cum laude*; one who has earned 3.750, *magna cum laude*; one who has earned 3.500, *cum laude*. For an associate degree, a student who has earned a quality point average of 3.900 in Xavier course work will be graduated "with highest honor"; one who has earned 3.750, "with high honor"; one who has earned 3.500, "with honor". These honors are inscribed on the student's diploma and recorded on the student's transcript.

Transfer students with appropriate grade point averages are eligible for honors at graduation if they have completed at least 60 credit hours of graded courses at Xavier University for a bachelor degree or at least 30 credit hours of graded courses at Xavier University for an associate degree.

Academic Standing

Actions regarding academic warning, probation, suspension, readmission, and dismissal will be noted on the student's official academic record (transcript).

Academic Good Standing

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

Academic Warning

A freshman in a four-year program whose cumulative average is 1.750 to 1.999 receives an academic warning.

Academic Probation

A freshman whose cumulative average falls below 1.750 is placed on probation.

An upperclassman whose cumulative average falls below 2.000 is placed on probation.

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. Probation is removed when the student's cumulative average rises to 2.000 or above.

Academic Suspension

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

Academic Readmission

A suspended student who wishes to return is required to complete a Readmission Application Form, available in the Registrar's Office. Readmission 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 Bursar's Office prior to readmission.

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 papers for class assignments, the university requires a quality which meets acceptable standards of good English usage consistent with university objectives. Faculty members have the option of declining to accept any paper which 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 2.000. This is understood in the following manner:

- a) Freshmen or new students at Xavier, admitted on the standards specified by the university (and the NCAA) are eligible for the entire year, provided they earn at least a 1.750 average for the first semester of eligibility;
- b) Students with sophomore standing or higher must have a 2.000 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.

The requirement for full-time study in an academic program may be waived for a student who is in the final semester of his or her baccalaureate program, provided the institution's registrar certifies that the student is carrying for credit the courses necessary to complete the degree requirements. The student granted eligibility under this exception shall also be eligible for NCAA competition which takes place immediately following said semester; however, the student shall thereafter forfeit eligibility in all sports.

Academic Bankruptcy

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

A student may apply to the college dean for academic bankruptcy after the completion of a subsequent semester of satisfactory performance. Satisfactory performance is defined as a GPA of 2.000 in a semester 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. Actions regarding warning, probation, suspension, readmission, and dismissal 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, and the falsification of results and material submitted in reports or admission and registration information.

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, 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 must be able to provide some evidence of the lack of fair treatment in order to file a formal grievance, and must follow this procedure when filing such an appeal.

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

1. The student shall indicate in writing to the chair of the department in which the instructor is located 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.
2. 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.
3. 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, should explain exactly how the instructor's action was unfair, and should be received by the department chair by March 1 for fall grades, and October 1 for spring and summer grades. The student shall meet with the department chair and instructor to try to resolve the dispute at this level.
4. 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 college in which the instructor is located. This should be done within five working days after meeting with the department chair and the instructor.
5. The dean shall convene a committee, composed of him/herself, three faculty and two students, to conduct a hearing on the grievance. Two of the faculty 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 the hearing chaired by the dean. The instructor and the student shall be present and shall each 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 given grade was inappropriate, the academic vice president shall authorize the Registrar in writing to change the grade.
6. 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.
7. 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 Campus Disciplinary Code, the Student Handbook, and the Residence Life 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 Commuter Services) will take action after consultation with the student.

Serious cases of misconduct will be presented before the University Discipline Officer or the University Disciplinary Board. The Discipline Officer or the Board, after hearing a case in accordance with established procedures, will determine the penalty, if any. The Discipline Officer 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.

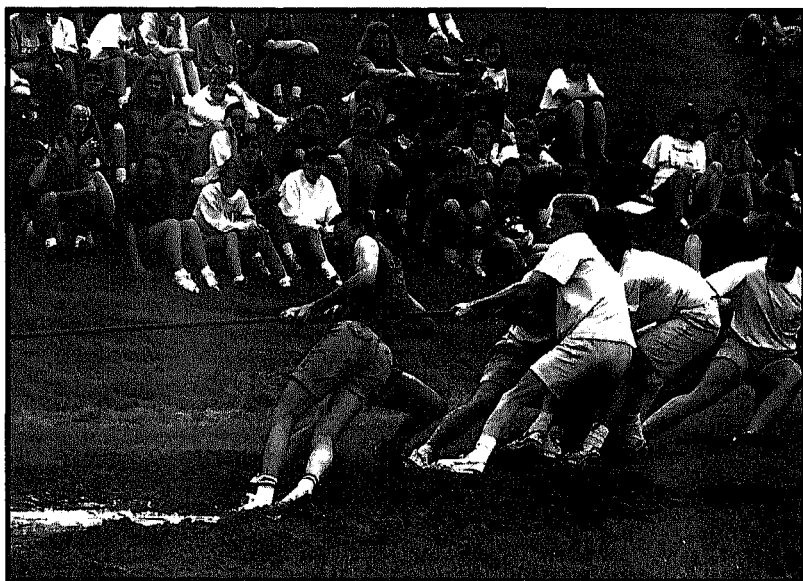
Disciplinary records are confidential and are maintained by the Office of the Vice President for Student Development for a period of three to five years.

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 beneficial to 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 for misconduct.

Reservation of Rights

The university reserves the right to modify its graduation and other requirements as may seem necessary from time to time. It will 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 the student's dean.



GRADUATE PROGRAMS

General Policies

The policies listed here affect all graduate students. Some degree programs have special policies which are specified within individual program descriptions. The general policies which affect both undergraduate students and graduate students are found on pages 43 to 56.

Classification of Students

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

1. Degree students - those students officially accepted into a graduate degree program.
2. 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.

Students are either full-time or part-time according to the following:

1. Full-time Fall or spring - 9 or more semester hours
 Summer - 5 or more semester hours
2. Part-time Fall or spring - 1-8 semester hours
 Summer - 1-4 semester hours

Admission—Degree Students

Materials for admission to all non-business graduate programs should be sent to the Graduate Programs Office. MBA applicants should send all materials to the MBA Office.

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

1. Submit a completed application form. Forms can be obtained from the Graduate Programs Office or for business students from the MBA office. The current application fee must accompany the application form.
2. Send two official transcripts showing a bachelor's degree from a regionally accredited institution with an undergraduate GPA of 2.500 or better on a 4.000 scale.
3. Arrange for official test scores to be sent:
 - a. Master of Business Administration applicants - Graduate Management Admission Test (GMAT);
 - b. Master of Hospital & Health Administration applicants - Graduate Management Admission Test (GMAT);
 - c. Master of Science in Nursing applicants - Graduate Record Exam (GRE);
 - d. All other graduate applicants - Miller Analogies Test (MAT).
4. A student for whom English is not the first language may be asked to demonstrate proficiency in the English language.
5. Submit other required documents as specified in individual program descriptions.

Notification of acceptance or rejection 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 register within the one-year period invalidates the acceptance and the individual must be readmitted to the program. Readmission forms are available in the Graduate Programs Office. Credentials received become the property of the university.

Admission—Non-degree Students

To apply for admission a student must submit a completed application form and current application fee to the Graduate Programs Office. Credentials received for admission become the property of the university. Non-degree students are subject to the following restrictions:

Graduate Programs

1. Some courses are not available to non-degree students. Contact the Graduate Programs Office (745-3360) for information about specific courses.
2. 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.
3. A non-degree student may apply to a degree program by completing the application process for degree status.
4. Non-degree students are subject to all university policies described in the Xavier University catalog.

TEACHER CERTIFICATION

5. A student taking courses for initial teacher certification must submit official copies of transcripts for all college work and see an academic advisor.
6. A student taking courses for certification renewal should see an academic advisor.

Admission—International Students

International students must comply with all requirements for admission before formal acceptance will be granted and an I-20 form issued. To apply for admission, the student must submit the following items to the International Student Admissions Office (credentials received for admission become the property of the university):

1. An application form, which is available through the International Student Admissions Office.
2. Evidence of proficiency in the English language (TOEFL score is preferred; a minimum TOEFL score of 550 or comparable test and score).
3. Evidence of financial resources or sponsorship to pay tuition, fees, and living expenses while at Xavier.
4. An official transcript 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.
5. Submit recommendation letters, required by some programs or in special circumstances.
6. Graduate Management Admissions Test (GMAT), Graduate Record Exam (GRE) or other approved test score.
7. Certified English translations accompanying all documents not issued in English.

Students accepted for study must obtain accident and sickness insurance coverage as a condition of admission, and must keep the insurance in force at all times while in student status at the university.

Xavier does not enroll students in the U.S. on visitor's visas, or students who enter the U.S. on I-20 forms issued by another university unless the student attends that institution for at least one quarter or semester. Xavier University is approved to work with F-1 (non-immigrant) students.

DIRECT ALL INFORMATION TO THE INTERNATIONAL STUDENT ADMISSIONS OFFICE AT XAVIER UNIVERSITY.

Graduate Transfer Credit

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 and the dean. Coursework that is part of a previously earned graduate degree is not allowed for transfer credit. Only grades of A or B (3.000 or higher) are transferable. Credit earned through correspondence or television is not accepted. Decisions regarding transfer credit are made at the time of admission to degree student status.

Courses Taken at Other Institutions

Ordinarily no graduate credit completed at another university is 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:

1. a student is permanently transferred to another city.
2. a student is directed by the dean or program director for a specific purpose to take a course not available at Xavier.
3. 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 permission of the program director or college 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.

Financial Aid

Scholarships and Assistantships

Xavier University offers scholarships and assistantships to qualified graduate students. The academic assistantships offering tuition remission and a stipend are available in many departments and programs. Consult program brochures for information and application deadlines. Contact the Graduate Programs Office or the MBA Office for information on available positions and the application for scholarships and assistantships. The Office of Student Development offers assistantships with tuition remission and stipend within several departments. Inquire in the Office of the Vice President for Student Development.

Federal Financial Aid Programs

Students applying for the following federal financial aid programs must meet these requirements:

1. Be a U.S. citizen or an eligible non-citizen.
2. Maintain satisfactory academic progress.
3. Be enrolled on at least a half-time basis (5 semester hours or more in fall or spring, 3 hours in summer) as a regular student in an eligible program.
4. Must not be in default on any federal loan or owe a refund on a federal grant.
5. Must have demonstrated financial need.

The Federal Work-Study Program (FWS)

The Federal Work-Study Program provides jobs for students who demonstrate financial need. Earnings for this program are funded by the federal government and the university. Pay must be at least the current federal minimum wage. 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.

Federal Perkins Loan

The Perkins Loan is a low-interest loan to assist students with financial need. Recipients are selected by the institution. Repayments begin on a monthly basis within nine months after the borrower ceases to be at least a half-time student.

Federal Stafford Loan (subsidized)

A Stafford Loan is a low interest loan made to college students by banks, savings and loan associations or credit unions. 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 repayment start six months after the borrower ceases to be at least a half-time student.

Graduate Programs

Federal Stafford Loan (unsubsidized)

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

Supplemental Loan for Students (SLS)

Applications for this loan program can be obtained directly from a bank, savings and loan, or credit union. Graduate students may borrow up to the total cost of attendance. The variable rate changes periodically. Payments on SLS loans normally begin within 30 days after receipt of money, although students may defer payments.

Course Load

When selecting courses, students must adhere to required prerequisites and special course restrictions established by the colleges and academic departments. The following maximum course loads may only be exceeded with permission from the college dean.

1. Fall or spring - 15 hours
2. Summer - 7 hours each session, not to exceed 14 hours for the entire summer.

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.

Course Numbers

Courses are numbered in the following way:

200 to 499 - undergraduate upper division courses; selected courses are open to graduate students for graduate credit. Some degree programs accept none or a limited number of such courses.

500 to 899 - courses for graduate credit only; open to graduate students only.

Graduate Grading System

A - Exceptional

B - Good*

C - Minimal**

D - Inferior - no graduate credit

F - Failure

W - Withdrawal

M - Incomplete, changed when grade is assigned.

See Clearance of Incompletes

AU - Audit - no credit or grade

S - Passing/Satisfactory, credit earned

U - Not Passing/Unsatisfactory, no credit earned

NC - No credit earned, non-graded course

NR - No grade reported or class has not concluded

* minimum for credit in courses below 500 level

** minimum for credit in courses 500 level and above

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 yielded by the course. Quality points are given as follows:

A - 4 points per credit hour

B - 3 points per credit hour

C - 2 points per credit hour

D - 1 point per credit hour

F - 0 points per credit hour

M - 0 points per credit hour

The student's grade point average for any term is computed by dividing the total number of quality points by the total number of credit hours attempted in that term. NC and S/U grades are not figured into quality points.

Clearance of Incompletes

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

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.

Auditing Courses

Anyone wishing to audit a course may do so. An audited course does not carry credit or earn a grade. Regular tuition rates apply. See page 44 for additional information.

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. Consult the program director for information.

Academic Dismissal

Any student who earns two unsatisfactory grades (D or F in courses numbered 500 or above; C, D, or F in courses numbered below 500) will be dismissed.

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 will be dismissed. Some programs require a minimum of 3.000. Consult the program director for information.

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 require a student to withdraw if, in the judgment of university officials, such action would be beneficial to the physical, mental, emotional, or moral best interests of the student or is considered necessary for the welfare of the university.

Grade Grievance Procedure

Students may appeal final grades if they believe that the grade was awarded unfairly. 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. See page 33 for the procedure.

Program Requirements

Specific requirements of the masters programs are described in this catalog. Though advisory 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 is available in the program brochures.

Graduate Programs

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 and must be taken for graduate credit.

A minimum quality point average of 2.800 in all courses applicable to a degree is required for graduation from all graduate degree programs. Some programs require a higher average for graduation. In addition, two unsatisfactory grades, as stated in Academic Dismissal above, shall result in dismissal.

Student Progress

No more than six years may elapse between admission to the degree program and completion of work for the degree. Certain programs may impose shorter progress requirements. Candidates for the master's degree who fail to complete all requirements within six years after admission must be readmitted. A petition must be submitted to the appropriate college dean before proceeding. Readmitted students are held to program requirements in place at the time of readmission. The dean may impose certain stipulations as a condition for readmission.

Application for Degree

It is recommended that the student meet with the 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.

The student must submit an Application for Degree form to the Registrar's Office 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 reapply for a new degree granting date.

Degrees are granted three times each year: in August for those completing programs during the summer, in December for those completing the program in the fall semester, and in May for those completing the program during the spring semester.

A student may earn from the University only one graduate degree of the same type, e.g., MBA, MHA, although more than one Master of Arts or Master of Science degree may be obtained in more than one different subject matter field. There are two MEd degrees possible, one in any education field and the other in Human Resource Development.

Students must have discharged all financial obligations to the university before diplomas can be awarded or transcripts released.

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 final 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

Thesis requirements vary according to each program and are found in the program descriptions in this catalog. The thesis 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. 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.

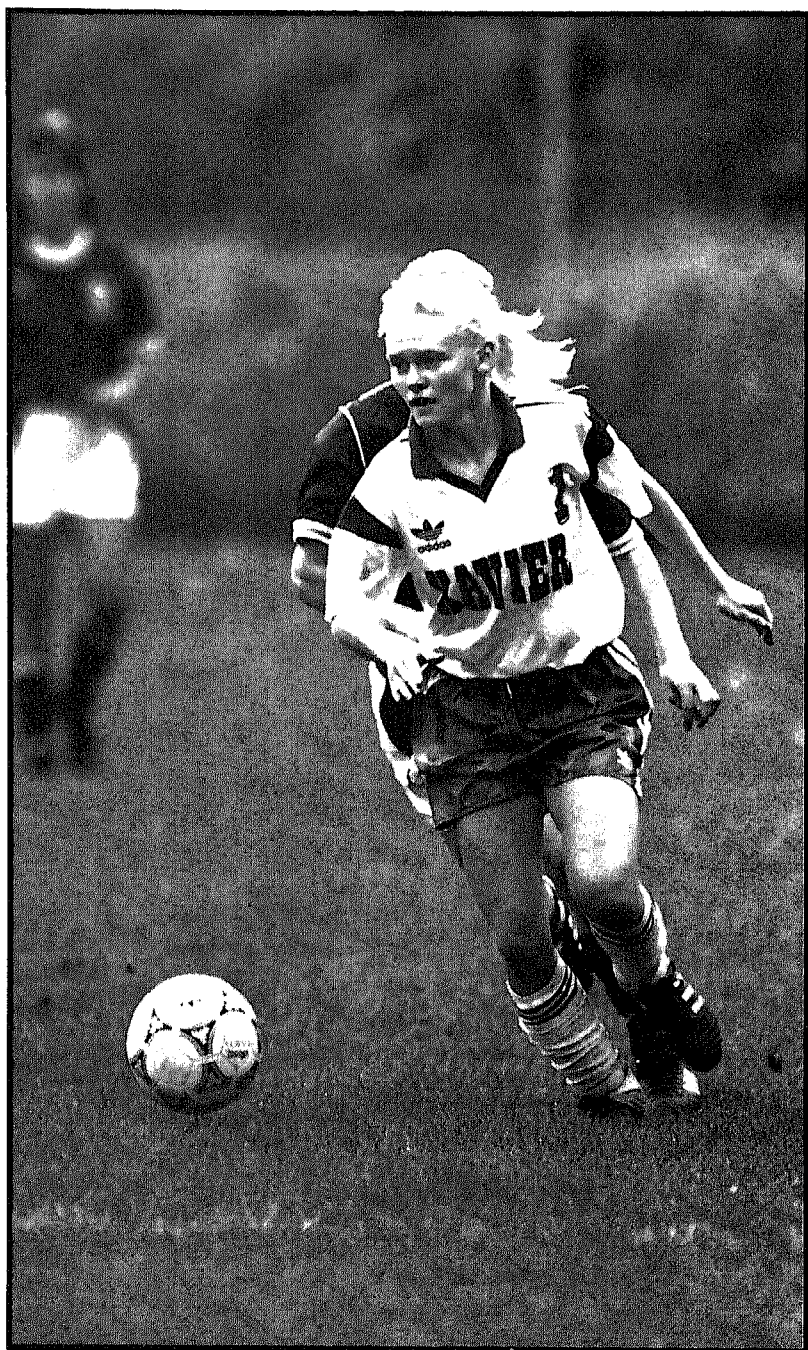
Reservation of Rights

The university reserves the right to modify its graduation and other requirements as may seem necessary from time to time. It will 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 the student's dean.

Veterans' Education

Xavier University is approved for the education and training of veterans and their dependents under all existing public laws. Requests for information should be referred to the Director of Veterans' Educational Benefits, Registrar's Office, Xavier University. Xavier is a Service Members Opportunity College. Contact the Office of Admissions for further information.





REGISTRATION ACTIVITIES

Undergraduate and Graduate

Schedule of Classes

A Schedule of Classes is published each semester to provide course offerings, assigned dates, times and procedures for all registration activities. Schedule of Classes bulletins can be obtained in the Registrar's Office, the Office of the Center for Adults and Part-time Students (CAPS), the Graduate Programs Office, and the MBA Office. Dates for registration activities are found in the university calendar of this catalog.

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 semester 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

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

Graduate Student Maximum

1. Fall or spring - 15 hours
2. Summer - 7 hours each session, not to exceed 14 hour for the entire summer.

Academic Advising Center

Academic Advising is designed to assist students in their pursuit of educational plans and programs, which will aid them in fulfilling their majors and/or careers. The Academic Advising Center is located on the first floor of Alter Hall, rooms 104A-H. Its major focus is the following: College of Arts and Sciences and the College of Social Sciences undeclared majors in the freshman and sophomore years, and students with special advising needs in all three colleges. Students with declared majors in all colleges are advised by department chairs or designated faculty advisors in the departments of the college. Undeclared majors in the College of Business are advised by the associate dean or a designated advisor in that college. Adult and part-time students may seek advisement through the Center for Adult and Part-time Students or through their department.

Priority Registration - Graduate and Undergraduate

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 have an approved advisor's signature on the registration form. 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. If payment is not submitted by the specified due date, the student's schedule will be canceled. The student will have to re-register within the week prior to the start of classes.

Open Registration

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

Mail Registration

A mail registration period is offered to graduate students for the fall and spring semesters, and to all students for summer sessions. Students may obtain mail registration materials by calling or writing the Registrar's Office (745-3941). Full payment for tuition and fees must accompany a mail registration.

Registration

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

Late Registration

Late registration begins the 2nd calendar day of the semester and ends on the 7th calendar day of the semester. Registration is not permitted after the 7th calendar day of the semester.

Schedule Adjustment (Course Adds-Drops, all students, Fall and Spring Term)

Once a student has registered for a term, to add or drop from courses a student must complete a change of schedule form in the Registrar's Office, as follows:

Adding a Course

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

Dropping a Course

Courses can be dropped through the first seven calendar days of the term without a grade appearing on the student's academic record. Undergraduate student course drops begin on the eighth calendar day of the term with a grade of "W", through approximately 75% of the term. For graduate students, a "W" occurs if a course is dropped from the eighth calendar day of the term through the last day of classes. See the Summer Session Bulletin for summer policies.

The Bursar's Office adjusts the student's financial account based on the add-drop activity. There is a fee charged for each change of schedule starting with the 2nd day of the semester (NOT the 2nd class meeting).

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 7th calendar day of the term. Regular tuition rates apply.

Repetition of Courses

A course previously taken for credit may be repeated. A student may register for the same course no more than three 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, only the most recent grade counts in the student's grade point average, even if it is the lowest.

Undergraduate

Some courses may not be repeated, such as:

1. MT 105 may not be repeated after successful completion of a more advanced math course.
2. 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 masters 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:

1. Notify the appropriate college dean in person or in writing;
2. Obtain authorization from the dean by completing withdrawal form;
3. Submit the form to the Registrar's Office;
4. 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 "F" 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.

Transcript/Academic Record

The transcript is the official academic record for all Xavier University students. Official copies must be obtained from the Registrar's Office. Before transcripts are issued, all financial obligations to the university must be met.

Transcript orders must be made in writing (in person or mail-in) and signed by the student. If the standard transcript request form is not used, the request should include the student's name(s) while in attendance, the ID number and/or social security number, dates of attendance, major(s), any degree earned, and the address where the transcript should be sent.

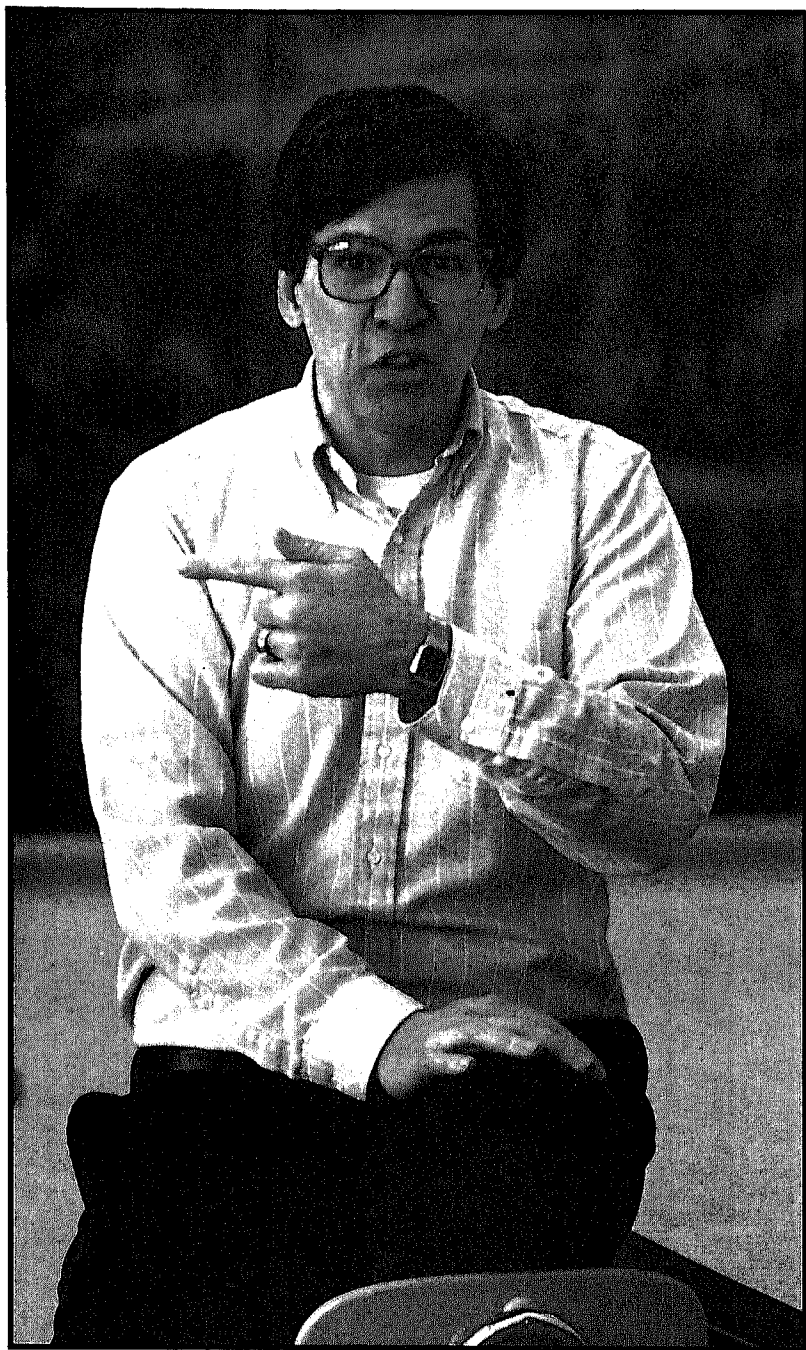
Payment must be submitted at the time of the request. Transcript fees are as follows:

- each "on the spot" transcript fee is ten dollars
- transcripts to be mailed cost five dollars for the first one, and one dollar for each additional transcript processed at the same time.
- transcripts issued directly to the student require the same fees, but the transcript is labelled "issued to the student".

Ordering information is available through the Xavier University Transcript Information Line, (513) 745-2007. All other questions should be directed to the Registrar's Office at (513) 745-3941.

Identification Cards

Student identification cards are required for all students. ID cards are provided through the Registrar's Office. The card is the student's official university identification and must be used to withdraw books from the library, purchase tickets or gain admission to university sponsored events, and utilize facilities and services. Questions concerning services and privileges available to students should be referred to the Office of the Vice President for Student Development.



UNIVERSITY FINANCIAL POLICIES

The university reviews its financial policies and procedures on a continual 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 Bursar's Office is responsible for the assessment and collection of tuition and fees payable to Xavier University. Inquiries should be directed to the Bursar's Office, 3800 Victory Parkway, Cincinnati, OH 45207-3181, Telephone (513) 745-3435.

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 will be cancelled. University regulations prohibit the release of transcripts and diplomas for students whose accounts with the university are delinquent.

Payment Options

The university accepts payments in cash, checks, and several major credit cards. If payment is to be made directly by a student's employer, appropriate company authorization papers must be submitted at the time of registration.

Additionally, the University may offer other payment options to assist students in paying tuition and fees. Detailed information on such plans is available from the Bursar's Office.

Deferments of payment are granted to students receiving certain types of financial assistance, such as grants, scholarships and loans, which have not yet been applied to their bursar accounts. Deferments may also be granted in special financial situations on a case-by-case basis by the collections manager.

Any unpaid balance is subject to a late payment charge.

Registration

Students who have registered during priority registration for the fall and spring semesters will receive a bill detailing charges for tuition, fees, housing and board in addition to anticipated financial aid arranged through the university's Office of Financial Aid as of that date. Payment is due several weeks before the beginning of the semester. Payment must be made, or a deferment obtained as described above, by the due date, or the registration will be canceled and the student will have to re-register during formal registration.

All students who do not participate in priority registration are required to pay 100% of tuition and fees at the time of registration, mail registration or late registration except students using the approved payment plans or those receiving deferments as described above. Students who register late will be charged a late registration fee.

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. Below is a list of how the rates are applied in the undergraduate programs.

Financial Policies

Regular Undergraduate Programs

1. 12 to 18 credit hours - full-time tuition rate
2. more than 18 credit hours - per hour rate for hours over 18
3. 7-11 credit hours - per hour tuition rate for all hours taken
4. 1-6 credit hours - discounted per hour tuition rate

Other Undergraduate Programs

5. Radiologic Technology - flat tuition rates for this program
6. ELAC program - flat tuition rates for this program
7. Audit - regular tuition rates including any applicable fees.

Deposits

1. New full-time students - a non-refundable tuition deposit.
2. Resident students - a non-refundable housing deposit. Room reservations will not be honored without payment of the deposit.

The deposits are credited to the student's account and will be deducted from the charges for the term.

Graduate Programs

Current tuition and fee rates, special course/lab fees, and other relevant information are contained in the current Schedule of Classes or the Schedule of Tuition and Fees for the academic year.

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

Students who officially withdraw from the university or withdraw from class(es), (see withdrawal policies, page 45), may be eligible for a tuition refund according to the following schedule. Lab and course fees are not refundable after classes begin. A request for a refund must be made in person or in writing to the Bursar's Office.

This schedule is applicable to the Fall and Spring semesters:

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

Tuition refunds for summer sessions are prorated based upon the official withdrawal date and the portion of the session elapsed.

Refunds for students leaving the residence halls are based on the tuition refund schedule. Board plan refunds are calculated based on the portion of the semester remaining after the meal card is surrendered.

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 requesting special consideration. Appropriate documentation is required with such an appeal.

FEES

See the Schedule of Tuition and Fees published each year by the Bursar's Office for the actual fee amounts. The following is a the description of fees charged by the university.

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

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

Housing Reservation Deposit - a non-refundable deposit which reserves a room in university residence halls. Deposit is applied against subsequent room rent charges.

Room Security Deposit - a refundable deposit for all students residing in university residence halls.

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

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.

Schedule Adjustment Fee - covers the cost for each change of course transaction processed after the first day of a semester.

Late Registration Fee - charged to all students registering after the stated deadline.

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.

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

Dependency User Fee - charged to dependent undergraduate students enrolled under the employee tuition remission program.

Senior Yearbook Fee - charged to all seniors who apply for graduation entitling them to a copy of the university yearbook.



STUDENT DEVELOPMENT AT XAVIER UNIVERSITY

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. A wide variety of learning environments exist on the campus and the role of the Student Development Division is to help each student to integrate academic experiences inside the classroom with those which are created outside of the traditional classroom setting. Student Development plays a vital role in helping students at Xavier achieve excellence by providing programs and services that enable them to develop their talents, grow in a sense of their own worth and dignity, and to gain a better appreciation of the worth and dignity of others.

Each of the areas within Student Development is designed to provide students with opportunities for action, involvement, reflection, and decision making, to enable them to take full advantage of the learning experiences available within the Xavier community.

Office of the Vice President for Student Development

While serving as the administrative center for all of Student Development, the Office of the Vice President for Student Development assists individual students with special problems or concerns and provides general supervision for many areas of student life. This office is also responsible for the enforcement of the Campus Disciplinary Code.

Manresa: Xavier's Orientation Program

Manresa 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 student's transition into the university and to introduce the options surrounding academic and cocurricular life in the Xavier community. Program components speak to the specific needs of international students, commuters, transfers, part-time students, and adult students. Parents and family members of new students are invited to participate in a special Manresa program.

Counseling Services

Health and Counseling Center

The Health and Counseling Center serves present needs and helps with future planning. Professional psychologists and counselors assist students in dealing with personal concerns, while physicians and nurses provide quality medical treatment. In addition to personalized counseling and medical attention, the Center offers education and guidance in areas including comfort with interpersonal relationships; stress management; family issues; assessing interests related to selection of a major; and developing strategies for planning for the future and coping with change.

Health and counseling services are offered to all students, full or part time, commuter or resident. A fee may be charged for medications or laboratory tests.

Career Planning and Placement

Career Planning and Placement services are designed to assist students in planning for and finding a career commensurate with their interests and abilities. To help students achieve this goal, the office has developed a Four-Year Plan with an emphasis on Self Assessment during freshman year, Career Exploration sophomore year, Testing Career Decisions junior year, and Conducting the Job Search senior year.

The Center offers individual career counseling; career information resources; Alumni Career Advising Service; major-related employment opportunities; work-study and university job placement; summer and part-time employment options; and other workshops, presentations, and seminars.

Additionally, CP&P provides on-campus recruiting, specialized career days, and resume referral services for graduating students.

Student Development

Psychological Services Center

The Psychological Services Center, staffed by faculty of the Department of Psychology, 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, or family therapy is 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.

Exceptional Student Assistance Program

Xavier University is committed to providing equal opportunities for higher education to academically qualified disabled students, by integrating these students as completely as possible into the university community. The university assists the student by providing special academic advising to develop a program which meets academic standards and requirements, yet recognizes the student's skills, talents, and limitations. Whenever necessary, advisor, student, and faculty work together to provide a learning environment that promotes academic success and personal development.

Office of Minority Affairs

The Office of Minority Affairs provides African American students with support services and programs designed to enrich the cultural, academic, and social experiences of all students on campus. A variety of formal and informal group programs and individual advisement opportunities are offered and the office and lounge areas provide a comfortable and casual setting for conversation and study.

Office of Commuter Student Services

The Office of Commuter Student Services provides programs and services designed to meet the diverse needs of Xavier's commuter and non-traditional student population. The Commuter Information Center, on the ground floor of the University Center, offers information on off-campus housing, child care referrals, transportation alternatives and campus events. The Center offers evening hours. The Commuter Lounge, in the basement of the University Center, provides a comfortable place to relax and study.

International Student Services

The Office of International Student Services is responsible for coordinating programs, services, and activities for international students at Xavier. The director works cooperatively with other campus offices, administrative areas, and constituencies to meet the varied needs and concerns of international students.

Services provided include orientation programs, cultural activities, host programs, administrative assistance, and liaison with the Immigration and Naturalization Service, or other governmental agencies as necessary.

Athletics

Intercollegiate Athletics

Xavier University is a Division I member of the NCAA and competes in the Midwestern Collegiate Conference. The program of intercollegiate athletics for men includes basketball, golf, cross country, baseball, tennis, soccer, and swimming at the MCC level and rifle (mixed team) as Division I sports. Women compete in basketball, tennis, swimming, cross country, soccer and volleyball in the MCC. Golf is a non-conference Division I sport.

Participants in intercollegiate athletics, as in other co-curricular activities, must be full-time students in good standing. They must have entered the university in accordance with the admission norms published in the catalog and will be subject to regular scholastic standards as well as those of the NCAA. To directly involve the president in the academic, social, spiritual, and physical development of Xavier's student athletes, this unit reports to the Vice President/Assistant to the President in the President's Office.

Intramural and Recreational Sports

Xavier University Intramurals (XUIM) provides the opportunity for Xavier students, faculty and staff to participate in athletic competition and recreational sports. These varied programs, scheduled throughout the year, are designed to meet individual and group recreational needs. Facilities at the Cohen Outdoor Recreational Sports Center and the O'Connor Sports Center include racquetball, volleyball, and basketball courts, weight training and aerobics areas, outdoor soccer and softball fields, as well as options for other individual and team activities and special events. The university also provides students with an opportunity to participate in rugby, boxing, cycling, karate, sailing, and crew at the club sports level.

Office of Student Activities/University Center

The Student Activities Office coordinates campus programming of lectures, movies, dances, entertainers, and a wide variety of other events scheduled to satisfy the diverse needs and interests of the Xavier community. Participation in the university's co-curricular life, including clubs, organizations, leadership positions, etc., is regarded as a valuable learning experience. Students may choose to become involved in the Student Government Association, Student Activities Council, or any of over seventy different interest groups.

The University Center handles meeting reservations, scheduling, and serves as host to many major campus and community events.

Information Center

Located in the outer lobby of the University Center, the Information Center assists with the identification of campus resources and maintains information on student and staff telephone numbers, emergency services, campus activities and events, student organizations, and provides general referral for the campus. The Information Center is staffed 24 hours a day.

Residence Life

The residence halls continue the educational atmosphere begun in the classroom. A trained staff coordinates educational and social programs designed to provide a secure and supportive living experience. All unmarried freshman and sophomore students, not residing with their legal guardian, or whose home addresses are located beyond a 35 mile radius from Xavier, are required to live on campus. Exceptions to this regulation may be made by the Director of Residence Life. Junior and senior students are encouraged to live in a residence hall or on-campus apartment.

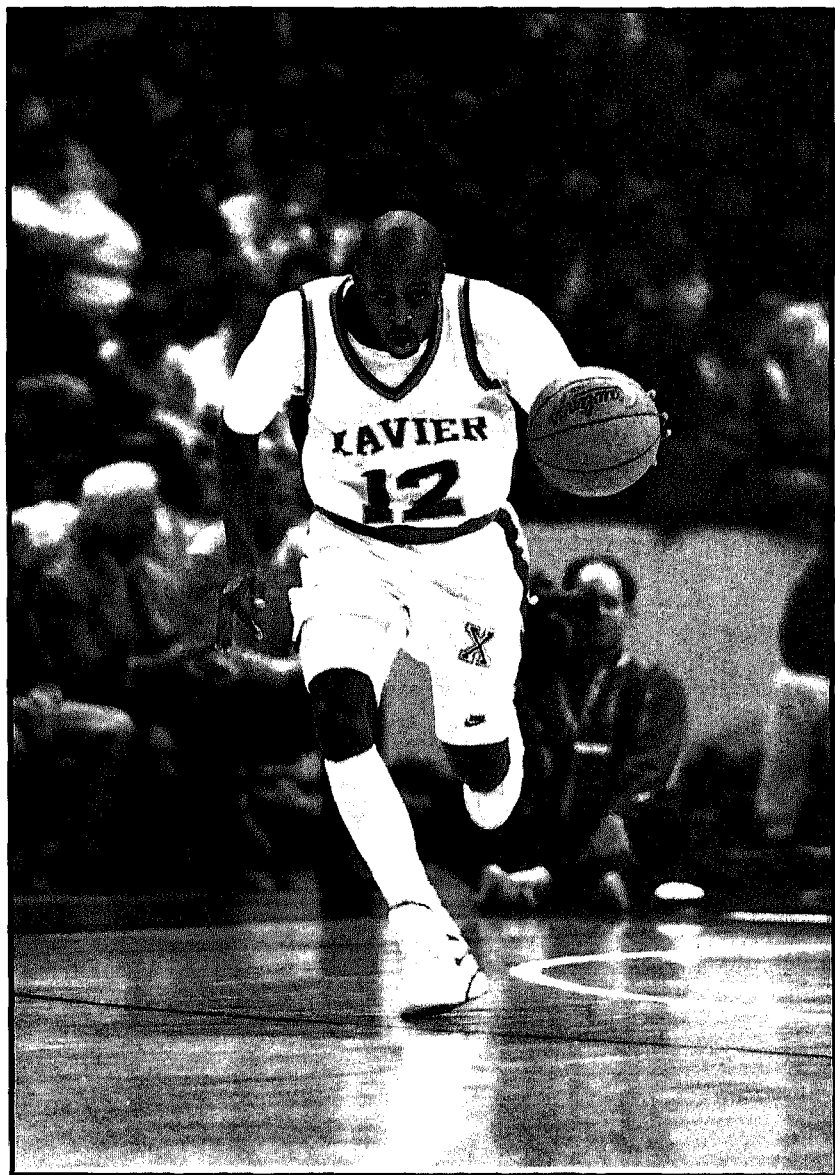
The Xavier Village Apartments, the Link Complex Apartments, and the apartments at 1019 Dana Avenue provide housing options for upperclass students who fulfill the requirements as established by the Office of Residence Life.

Food Services

The university contracts to provide a full range of meal services to the university community. All residence hall students are required to purchase a meal plan option. Special meal plans are available to commuter students and special diets may be arranged for individuals with specific needs. Two food service areas are available in the University Center with hours scheduled so that snacks and meals are available from early morning to late night.

Office of Safety and Security

Safety and Security is located in the outer lobby of the University Center. Professional officers are available on a 24 hour basis to provide general assistance to the Xavier community. They also regulate campus parking and present a number of programs throughout the year dealing with crime prevention and safety awareness.



RELIGIOUS DEVELOPMENT AT XAVIER UNIVERSITY

Xavier University demonstrates its commitment to the whole student by the creation of a separate division devoted to the spiritual/religious development of the students, including Campus Ministry and Programs in Peace and Justice.

Campus Ministry

The purpose of Campus Ministry is to promote religious and faith development and to minister to the spiritual needs on campus. Campus Ministry oversees a broad range of spiritual and religious activities on the Xavier campus. Staffed by professional chaplains, men and women, lay and ordained, Campus Ministry offers opportunities for pastoral counseling, spiritual direction, retreats, shared prayer, liturgy planning, a chance to reach out to others in service, and the opportunity to confront issues of peace and justice.

Bellarmino Chapel serves as both Xavier University's chapel and as a parish in the Archdiocese of Cincinnati. The liturgies are Roman Catholic; however, all services and programs are open to students of all faiths.

Programs in Peace and Justice

Xavier's Center for Programs in Peace and Justice, located in Dorothy Day House, is a place where social issues of the day may be studied, discussed, and acted upon.

Students, faculty, and staff will make the link between peace and justice in various ways. Each individual develops his or her convictions on the causes of war and the quest for peace and its complement, justice. Programs in Peace and Justice schedules activities to stimulate open dialogue and responsible scholarship and action among all groups. Combining service with learning programs, Peace and Justice provides volunteer opportunities, small group experiences, and a variety of stimulating and challenging speakers to the campus community.



PRIVACY RIGHTS of STUDENTS and PARENTS

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 postsecondary 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 and Psychiatric Records - not available to anyone except those providing the treatment. However, the records may be reviewed by a physician or other appropriate professional of the student's choice.

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. This includes all admissions records, registration files, financial aid materials (excluding financial information submitted by their parents mentioned above), housing files, discipline records and any athletic 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 these record below should be directed to the appropriate office at Xavier University, 3800 Victory Parkway, Cincinnati, Ohio 45207-1092.

<u>Record</u>	<u>Official's Title</u>
Undergraduate Admissions	Director of Admissions Dean of Center for Adult and Part-time Students (CAPS)
Graduate Admissions	Graduate Programs Office Director, MBA program Director, Executive MBA program
Academic Records	University Registrar
Alumni	Alumni Relations Director
Athletics	Director of Athletics
Discipline	Office of Vice President for Student Development Director of Residence Life
Housing	University Bursar
Financial Accounts	Director of Financial Aid
Financial Aid	Director, Health & Counseling Center
Health	Director, Career Planning & Placement
Placement	Director, Psychological Services Center
Psychological Counseling	Chair, Department of Education
Teacher Education	

Privacy Rights

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 concerned. 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 or deletion should be requested. Decisions rendered at the hearing will be final, will be based solely on the evidence presented at the hearing, will consist of written statements summarizing the evidence and stating the reasons for the decisions, and will be delivered to all parties concerned.

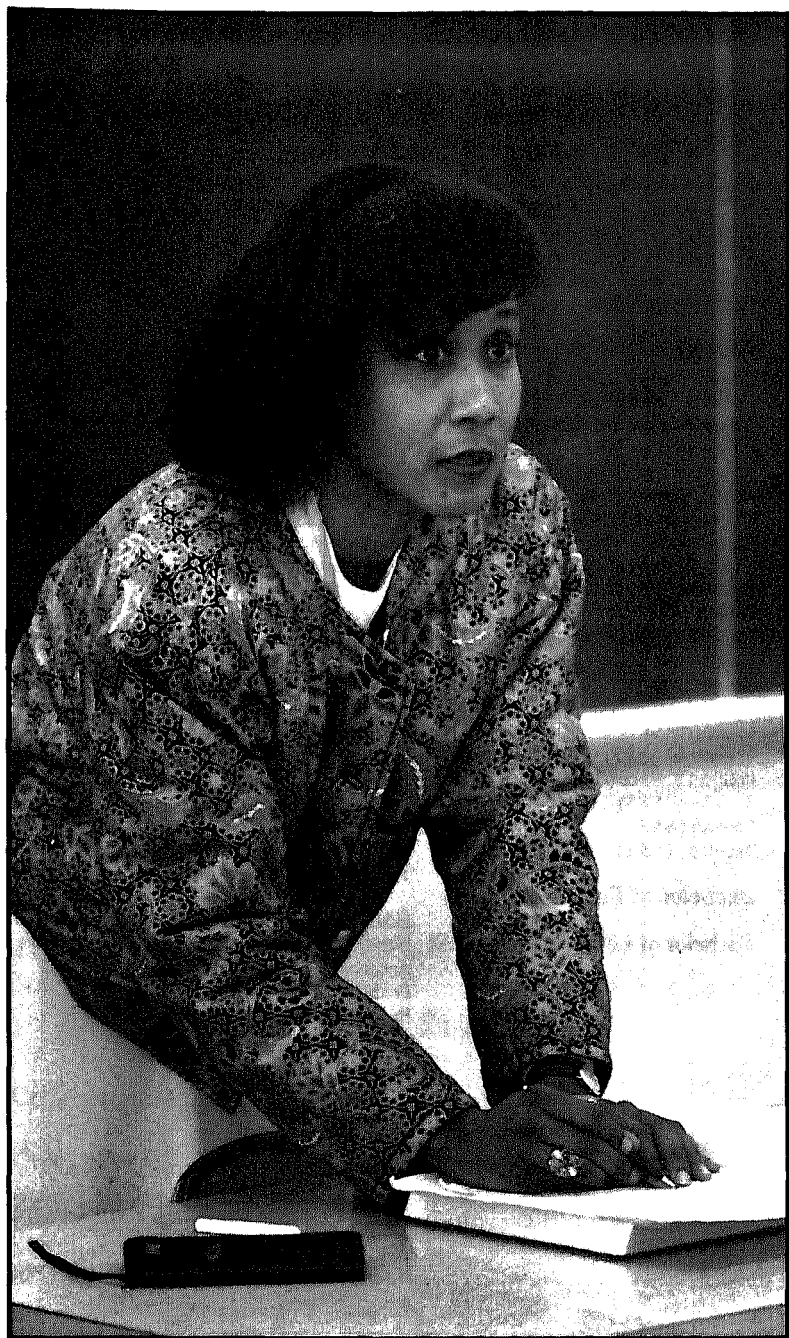
Cost of Reproducing Files

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, address, telephone listing, major field of study, full or part-time status, class standing (freshmen, sophomore, junior, senior, graduate) participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees awarded, special honors and awards, and the most recent previous educational agency or institution attended by the student.

Xavier University is required to announce publicly to the students what Xavier will release as directory information. A request for non-disclosure will be honored by the institution for only one academic year; therefore, authorization to withhold directory information must be filed annually with the Office of the Registrar.



DEGREE PROGRAMS

College of Arts and Sciences (A&S)
College of Business Administration (CBA)
College of Social Sciences (CSS)

Undergraduate Degrees

Honors Bachelor of Arts

Bachelor of Arts

Art (A&S)
Classics (A&S)
Classical Humanities (A&S)
Communication Arts: Advertising (A&S)
Communication Arts:
Electronic Media (A&S)
Communication Arts:
Organizational Communication (A&S)
Communication Arts:
Public Relations (A&S)
Economics (CSS)
English (A&S)
French (A&S)
German (A&S)
History (A&S)
International Affairs (CSS)
Music (A&S)
Philosophy (A&S)
Political Science (CSS)
Sociology (CSS)
Spanish (A&S)
Theology (A&S)

Bachelor of Fine Arts (A&S)

Bachelor of Liberal Arts (A&S)

Bachelor of Science

Adaptive Physical Education (CSS)
Applied Biology (A&S)
Applied Chemistry/Engineering (A&S)
Applied Physics/Engineering (A&S)
Athletic Training (CSS)
Biology (A&S)
Chemistry (A&S)
Chemical Science (A&S)
Computer Science (A&S)
Criminal Justice (CSS)
Education (CSS)
Elementary Education (CSS)
Health Education (CSS)
Mathematics (A&S)
Medical Technology (A&S)
Montessori Education (CSS)
Music Education (A&S)
Natural Science (A&S)
Physical Education (CSS)
Physics (A&S)
Psychology (CSS)
Sports Management (CSS)
Sports Marketing (CSS)
Teaching Biology/General Science (CSS)
Teaching Chemistry/General Science (CSS)

Bachelor of Science In Business Administration

Accounting (CBA)
Economics (CBA)
Entrepreneurial Studies (CBA)
Finance (CBA)
General Business (CBA)
Human Resources (CBA)
Information Systems (CBA)
Management (CBA)
Marketing (CBA)

Bachelor of Science in Nursing (CSS) (Degree completion program for R.N.)

Bachelor of Science in Social Work (CSS)

Associate of Arts

Communication Arts (A&S)
English (A&S)
French (A&S)
German (A&S)
History (A&S)
Liberal Arts (A&S)
Political Science (CSS)
Sociology (CSS)
Spanish (A&S)
Theology (A&S)

Associate of Science

Criminal Justice (CSS)
Early Childhood Education (CSS)
Psychology (CSS)
Radiologic Technology (A&S)

Associate of Business Administration (CBA)

Associate of Science in Nursing (CSS)

Graduate Degrees

The Master of Business Administration (MBA)

The Master of Science (MS)

Criminal Justice

The Master of Science in Nursing (MSN)

The Master of Education (MEd)

The Master of Arts (MA)

English
History
Humanities
Psychology
Theology

The Master of Hospital and Health Administration (MHA)

Certificate Programs

Criminal Justice

Occupational Therapy

Pre-Medical Studies

UNDERGRADUATE CORE CURRICULUM

(for students entering on or after August 26, 1992)

The core curriculum summarizes the university's general education requirements and reflects its commitment to the values of a liberal education in the Jesuit tradition. What follows is an explanation of the core curriculum. The Schedule of Classes, published by the Registrar's Office each semester, assists the student in choosing the appropriate courses to fulfill each specific core requirement. Students seeking specific core requirements of a particular program should consult the description of that program as it appears elsewhere in this catalog.

Summary of Core Curriculum

Ethics/Religion and Society Focus	9 hours, plus one elective course
E Pluribus Unum	1 hour
English Composition	3 hours
Literature	3 hours
Fine Arts	3 hours
Foreign/Second Language	6 hours
Philosophy	6 hours
Theology	6 hours
History	6 hours
Social Science	6 hours
Mathematics	6 hours
Sciences	9 hours

Essential Skills

Because writing and mathematical skills are necessary for success in college and beyond, each student is required to demonstrate these basic competencies. These competencies may be demonstrated in the following ways:

- Successful completion of courses designed to facilitate mastery of these skills—ENGL 100 for writing, MATH 105 for mathematics;
- Acceptable examination scores submitted at the time of admission, or performance on tests completed during freshman orientation.

Ethics/Religion and Society Focus

This Focus consists of four courses. Because Philosophy, Literature, and Theology traditionally have been the three disciplines concerned with the study and evaluation of human action, these three areas are required in the Focus. The fourth course, the Ethics/Religion and Society Focus elective, may emerge from any of a series of designated courses that focus on ethics or religion and society.

The four course cluster includes: PHIL 100 Ethics as Introduction to Philosophy, THEO 111 Theological Foundations, ENGL 205 Literature and the Moral Imagination or CLAS 205 Classical Literature and the Moral Imagination, and an elective course which also may fulfill other requirements in the student's curriculum. PHIL 100 and THEO 111 are prerequisites or corequisites for the other Focus courses.

E Pluribus Unum

This course, UNST 100, introduces first-year students 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.

English Composition

In order to ensure that all students possess adequate writing skills, either ENGL 101 English Composition or ENGL 115 Rhetoric is required of every student. Those students who enter Xavier deficient in English skills will be required to complete ENGL 100 Basic English before enrolling in ENGL 101.

Literature

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

Fine Arts

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

Philosophy

Six semester hours must be completed in courses that discuss fundamental and perennial philosophical questions with readings from philosophical literature. PHIL 100 Ethics 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.

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 set of two areas: 1. Scripture/History or Christian Systematics; 2. Theological Ethics, or Religion and Culture.

History

Six semester hours are required in courses that provide an introduction to historical methodology and the development of civilizations.

Social Sciences

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

Mathematics

Those who enter Xavier deficient in mathematical skills will be required to complete MATH 105 Fundamentals of Mathematics before attempting any other mathematics course. While MATH 105 does earn credit for the student, it does not count as one of the courses needed to fulfill the six hour mathematics requirement. Students may not fulfill this requirement by taking two courses similar in content, as, for example, MATH 150 Elements of Calculus and MATH 170 Calculus I, or, prerequisite courses taken after the successful completion of a successive course.

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.

Core Curriculum for Associate Degree Programs

Most Associate Degree Programs

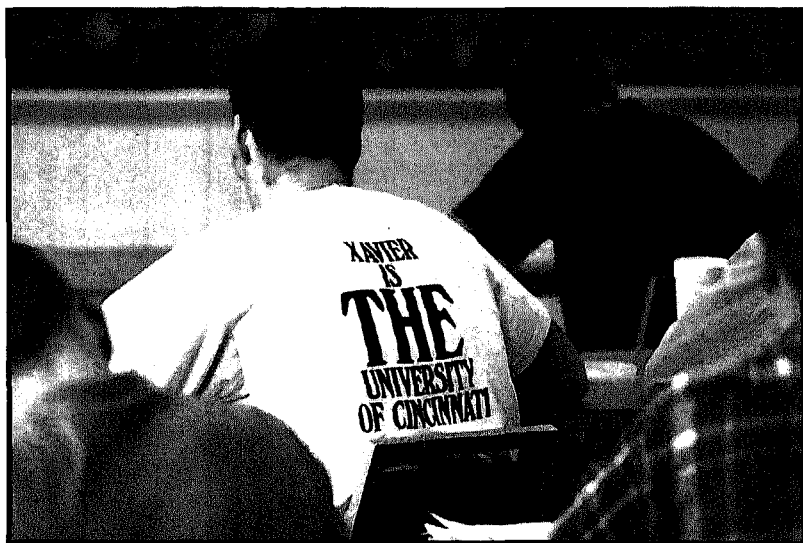
Philosophy 100, Theology 111 and ERS elective course	9 hours
Literature elective	3 hours
E Pluribus Unum	1 hour
English Composition	3 hours
Fine Arts	3 hours
Philosophy 290 or Theology	3 hours
History	3 hours
Social Science	3 hours
Science	3 hours

Associate Degree Programs in Communication Arts and Early Childhood Education

Philosophy 100, Theology 111	6 hours
Literature elective	3 hours
E Pluribus Unum	1 hour
English Composition	3 hours
Fine Arts	3 hours
Philosophy 290 or Theology elective	3 hours
Social Science	3 hours
History	3 hours
Science	3 hours

Other Programs

Core Curricula for other programs are listed on succeeding pages under the program descriptions (Business, Nursing, Radiologic Technology).



SPECIAL UNIVERSITY PROGRAMS

UNIVERSITY SCHOLARS PROGRAM

The University Scholars Program is an honors program at Xavier University that provides an academically challenging program to a broad spectrum of Xavier students across the university. Students in the University Scholars Program fulfill the same core curriculum requirements demanded of all Xavier students, but take many of these required courses in special honors sections which encourage critical thinking and lively discussion. University Scholar students can and do specialize in virtually every major available at Xavier. Some will even fulfill the requirements of a double major or any of a number of minors that Xavier offers.

University Scholars receive, according to their major area of study, the appropriate Bachelor Degree – University Scholar.

All prospective Xavier students who qualify for an academic scholarship at or above the Presidential level are eligible to apply for admission to the University Scholars Program. In addition to the guidelines for academic scholarship, prospective University Scholars need to complete an application form which includes a brief essay. An interview may also be requested at the discretion of the Program Director. Admission to the Scholars Program usually occurs prior to the freshman year. Students in or beyond the freshman year will need to contact the Scholars Program Director for specific application information.

A summary of the University Scholars Program curriculum follows (see pp. 60-61 for a complete description of the core curriculum):

1. Ethics/Religion and Society Focus - Scholars must complete all four courses in the Focus within the University Scholars Program.
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. 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.
5. History - Scholars must complete one Honors course in introductory History.
6. Social Science - Scholars must complete two courses at Honors, including at least one Honors course in introductory Economics.
7. Mathematics - Scholars must complete Honors Calculus. This requirement may also be fulfilled by taking calculus for science majors.
8. Science - Scholars must complete an Honors Science course. This requirement may also be fulfilled by taking one of the introductory courses for science majors.
9. Mathematics and Science - An additional Honors course in either area is required. An additional Honors course in each area is recommended.
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.

THE HONORS BACHELORS OF ARTS

The Honors A.B. is designed to prepare students for life in the modern world by trying not only to develop breadth, balance, and an openness to new ideas, but also to examine the roots from which our culture has 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 university core curricular requirements (see pp. 60-61) with the following modifications and whenever possible, special honors sections, or the more demanding sections, of required courses should be taken:

E Pluribus Unum	- 1 hour
English	- 9 hours (3 rhetoric, 6 literature)
History	- 6 hours
Social Sciences	- 6 hours
Mathematics	- 6 hours (including calculus)
Science	- 9-11 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.

PRELEGAL STUDY

The basic criteria for acceptance into law school are the grade point average acquired during undergraduate studies and performance on the Law School Admission Test (LSAT). Application forms and information regarding the dates of this test can be obtained from the Prelaw advisors. The importance attached to letters of recommendation, job experience, and extracurricular or community activities varies greatly among law schools.

American law schools prescribe neither specific courses nor a specific major for prelaw study. They pay particular attention to students engaged in a broad program of high quality in liberal arts. The degree program should educate the students to assimilate difficult documents and to interpret factual data, to think logically and creatively, to express themselves well orally and in writing, and to acquire a critical understanding of the human institutions and values with which the law deals. While there is no such thing as a prelaw program, it does not follow that all courses or majors are of equal value for the study of law. Desirable preparation for law school includes the University Scholars Program or the Honors AB Program. Some subjects (not necessarily majors) to which law schools attach special importance are English, government, economics, history, mathematics, modern or ancient foreign language, logic, science and philosophy. Courses in accounting and public speaking are also recommended.

Students considering law as a career are urged to read the introductory section of the official Prelaw Handbook and to consult with both their departmental chair and one of the Prelaw Advisors. They are also encouraged to join the St. Thomas More Prelaw Society.

PEACE STUDIES MINOR

The Peace Studies Minor is a fifteen-hour interdisciplinary program available to all Xavier undergraduates and compatible with any major. It is designed to examine problems of peace and justice.

Among the areas which may be investigated are: the nature of aggression; analysis of war and of conditions or policies bearing on war; ethical and moral issues concerning war and peace and social and economic justice strategies of world order; peaceful settlement of political and social conflicts; philosophies and strategies of non-violence.

Successful completion of the program will be noted on the student's official transcript at the student's request. Further information concerning the Peace Studies Minor can be obtained from any member of the Peace Studies Committee.

WOMEN'S AND MINORITIES' STUDIES MINOR

The Women's and Minorities' Studies Minor is a 15-hour interdisciplinary minor compatible with any major. The minor studies social differences and the significance given to them. Differences based in class, race, sex, religion, sexual orientation, ethnicity, age, health, and physical ability are all treated through courses in literature, theology, philosophy, sociology, history, political science, economics, psychology, nursing, social work, management and others.

Successful completion of the minor is noted on the student's transcript. Many employers look for evidence that candidates for employment are prepared to deal with social differences with understanding and cooperation.

Information on the minor can be obtained from the Director, whose name and location are noted in each semester's schedule of classes.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

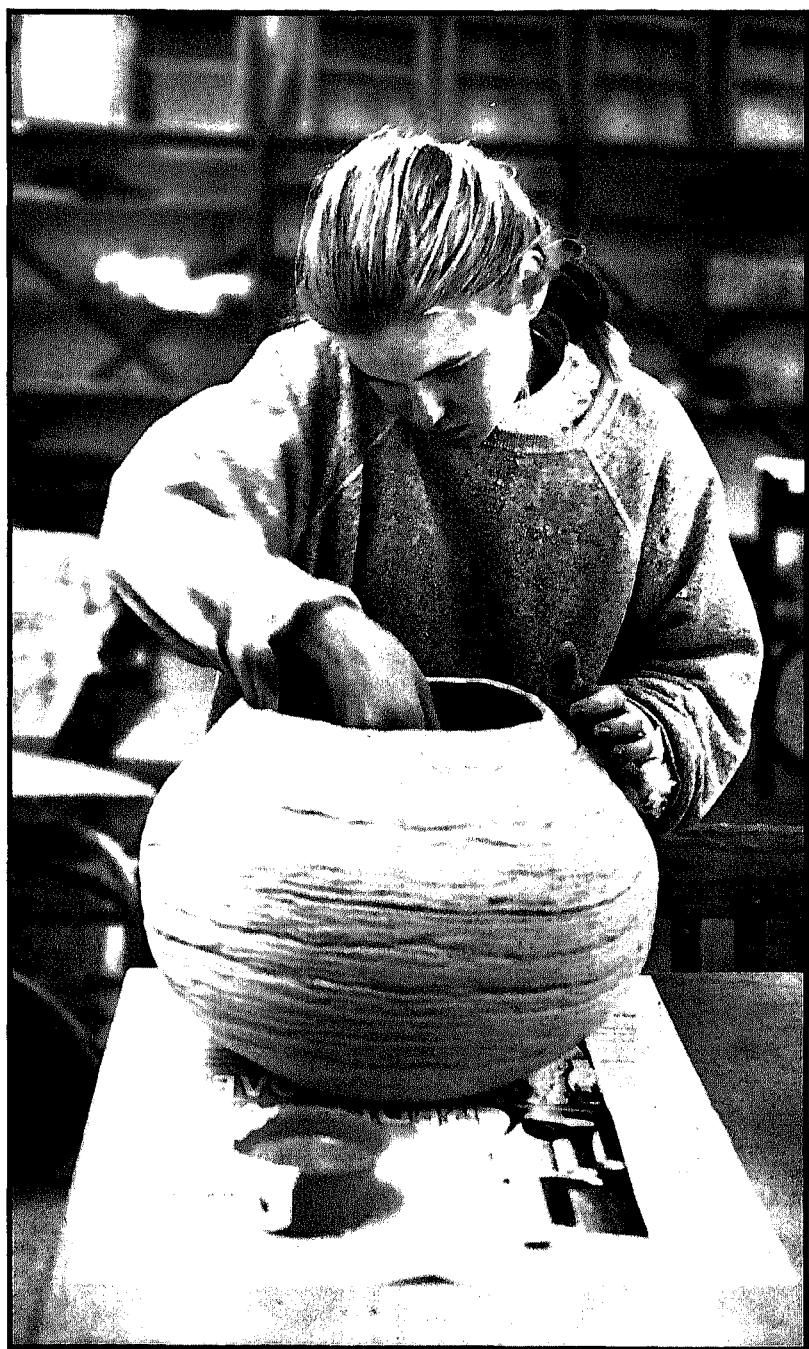
The Department of Military Science provides an opportunity for men and women to study subjects of recognized military and educational value which assist them in gaining the foundations of intelligent citizenship. The primary purpose of this program is to produce quality leaders to serve as commissioned officers in the United States Army, the Army National Guard, and the Army Reserve. For more information and admission requirements, see page 200.

ENGLISH LANGUAGE AND AMERICAN CULTURE PROGRAM (ELACP)

This program offers intensive English as a second language and an introduction to American culture. It is intended for international students or others who wish to improve their proficiency in the English language in order to pursue university degrees or career goals. There are three to four levels of study, each consisting of five classes which meet each weekday.

The courses offered include composition, grammar, reading/literature, listening, pronunciation, conversation, study skills and American culture. Courses taken at the regular intermediate level or above accrue credit toward graduation at Xavier University.

A separate brochure is available: (513) 745-3712.



DEGREE PROGRAMS AND COURSES

COLLEGE OF ARTS AND SCIENCES

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

THE DEPARTMENT OF ART

The Department of Art offers two degrees, the Bachelor of Arts and the Bachelor of Fine Arts.

THE BACHELOR OF ARTS IN ART

The Department of Art aims to provide not so much a series of courses as 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 or more of the following concentrations: ceramics, drawing, fibers, graphics, painting, printmaking, and sculpture. Studies in art history are required of each major. Students who wish to be certified as teachers follow a special program for certification. Students interested in careers as art therapists are advised to follow a pre-art therapy program.

Xavier University Art Gallery is a laboratory program of the Department of Art. Exhibition opportunities are provided for professional visual artists, the art department's students, and other occasional visual programs deemed to be of interest to the university's public.

Requirements for the Art Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Sciences: CHEM 106-109 recommended.
- Fine Arts requirement included within major.

Major Requirements:

- 30 hours well distributed in studio courses including ARTS 101, 102, 105, 242.
- 10 hours in art history.
- ARTS 100, 440, 441, which may be used to satisfy part of the art history requirement.
- Extended experience (minimum of two semesters) in one area leading to a senior concentration and exhibition if concentration is in a studio area, plus specific approval of the concentration advisor.
- In the spring semester of the sophomore year the prospective art major will present a portfolio and, for acceptance, must give evidence of growth in the totality of the Xavier program and in an understanding of the wholeness of this special approach.
- A minimum 2.000 average must be attained in Art courses to count toward graduation.

A recommended sequence of program is available for each of the concentrations. Art certification requires an additional 31 hours of education courses as well as 46 semester hours in art for a K-12 certificate. Please direct requests and/or questions to the Department Chair.

Requirements for the Art Minor

- 18 hours of Art courses providing an in-depth investigation of two and/or three dimension studio disciplines and/or art history.
- A 2.000 cumulative average must be attained in the Art courses.

Further information concerning art minors can be obtained from the Art Department Office.

THE BACHELOR OF FINE ARTS

The BFA degree in art is distinguished from the AB 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/art school teaching. It is a higher degree and immediately acknowledges the fact that its recipient has experienced a deeper involvement in, and commitment to, art. Since these students are also seeking a liberal arts education, the philosophical base is the same.

Requirements for the Bachelor of Fine Arts Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Sciences: CHEM 106-109 recommended.
- Fine Arts requirement included within major.

Major Requirements:

- 71 hours of Art courses: ARTS 100, 101, 102, 105, 242, 440, 441, 12 hours in art history, 15 hours in a major studio area (includes senior concentration), 12 hours in an allied studio area, 15 hours of electives.
- Extended experience (minimum of two semesters) in one area leading to a senior concentration and exhibition if concentration is in a studio area, plus specific approval of the concentration advisor.
- In the spring semester of the sophomore year the prospective art major will present a portfolio and, for acceptance, must give evidence of growth in the totality of the Xavier program and in an understanding of the wholeness of this special approach.
- Students express their intention of pursuing a BFA degree by delivery of a signed declaration form to the department chair, endorsed by the concentration instructor. This ordinarily takes place by the junior year.
- A minimum 2.000 average must be attained in Art courses to count toward graduation.

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 sequence of program is available. Please direct requests to the department chair.

ART (ARTS)

Staff: MR. SCHMIDT, *chair*; SR. BEIERSDORFER, MS. CHOUTEAU, MS. KARAGHEUSIAN-MURPHY, BR. PRYOR

Assisted by: MR. MARTENS, MS. UETZ

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 credits.

Studio Courses

The following listings are studio courses in which two hours laboratory activities per week are required for each hour of credit. Provision is made for advanced study in all of these areas, so that students may enroll for a course repeatedly until the maximum number of hours is reached. Experiences for advanced students are developed according to capacities to comprehend problems and solutions; credit hours may be doubled with the permission of the specific instructor during a given semester.

ARTS 100 SEMINAR: FRESHMAN ART MAJORS (1) 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. Corequisite: ARTS 101 unless exemption has been granted.

- ARTS 101 **TWO-DIMENSIONAL DESIGN** (3) Fundamental aspects of two-dimensional design: object rendering, nature rendering, studies in perspective, black/white composition principles, material studies and introduction to color theory. Corequisite: ARTS 100, unless an exemption has been granted.
- ARTS 102 **DRAWING** (3) A development of the fundamentals—concepts and skills—of drawing through a broad range of aesthetic expressions and multi-sensory exercises.
- ARTS 103 **PAINTING** (3-9) An experience in totality through the language of form and color with the exploration of the material as primary concern using oils, polymers, mixed media and watercolor.
- ARTS 104 **PRINTMAKING** (3-12) An introductory study into intaglio, lithography, monotype, relief, or screen printing.
- ARTS 105 **THREE-DIMENSIONAL DESIGN** (3) An introductory study into the artistic uses of three-dimensional model building.
- ARTS 106 **FIBER ARTS** (3) An introduction to a variety of fiber techniques both on and off-loom stressing design concepts and aesthetic values. Emphasis is on woven structures.
- ARTS 109 **CERAMICS** (3) 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, along with various kiln firing procedures, are also explored.
- ARTS 111 **THE ART EXPERIENCE** (3) A practicum for non-art majors interfolded theory and process giving insight into the visual art experience.
- ARTS 112 **THE AESTHETIC EXPERIENCE** (3) An examination for non-art majors interfolded theory and process giving insight into an interdisciplinary aesthetic experience.
- ARTS 202 **ADVANCED DRAWING** (3-21) Advanced studies emanating from a thorough investigation of both human and natural anatomy, abstraction as a conceptual/visual process, media, and thematic variations.
302
402
502
- ARTS 203 **ADVANCED PAINTING** (3-21) Advanced studies in oils, polymers, mixed media, or watercolors with the primary concern being to develop a personal visual expression after appropriate experimentation with different structures and techniques.
303
403
503
- ARTS 204 **ADVANCED PRINTMAKING** (3-21) The continuing investigation of an area begun in ARTS 104.
304
404
504
- ARTS 205 **ADVANCED SCULPTURE** (3-21) Study of the plastic qualities of edge and form in three-dimensional time, emphasizing personal meaning and permanent materials. Prerequisite ARTS 105.
305
405
505
- ARTS 206 **ADVANCED FIBER ARTS** (3-21) A continuing exploration of structure and technique including two and three dimensional forms with primary emphasis on the development of a personal visual experience in fibers.
306
406
506
- ARTS 209 **ADVANCED CERAMICS** (3-21) Advanced study of wheel-throwing and handbuilding, investigating both form and function. Independent clay and glaze formulation, and alternative kiln firing techniques are emphasized.
309
409
509

Professional Courses

The following courses are professional courses for students seeking a specific career. They combine lecture, studio work and practice in their respective fields.

- ARTS 213 **INCARNATING TOTEM AND TABOO** (3) A study which frames ethical questions concerning pragmatic issues in the making, collecting and curating of visual art.

- ARTS 221 **ELEMENTARY SCHOOL ART** (3) 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. Not open to freshmen.
- 521
- ARTS 223 **SECONDARY SCHOOL ART** (3) An investigation, evaluation and observation of the rationale, behavioral objectives, and organization of art activities at the secondary level.
- 523
- ARTS 242 **GRAPHIC DESIGN** (3) Demonstration leading to working knowledge of the methods and procedures of the graphic designer. Emphasis on studio/agency hierarchical structure, and the materials, equipment, tools, and supplies used therein. Pre-requisite ARTS 101, unless exemption has been granted.
- ARTS 342 **ADVANCED GRAPHIC DESIGN** (3-9) Logical continuation of graphics with an attempt "to narrow the field" and explore the depths of selected projects. Students progress according to their own level of competence.
- 442
- 542

Lecture Courses

The following listings are lecture courses supplemented with slides, films, tours, and related experiences. They do not require studio activities.

- ARTS 161 **HUMANITIES I** (3) Art, music, and literature from Prehistoric times to the Middle Ages, using feature-length films to dramatize cultural patterns.
- ARTS 162 **HUMANITIES II** (3) Art, music, and literature from the Renaissance to the 20th century, using feature-length films to dramatize cultural patterns.
- ARTS 261 **HUMANITIES III** (3) Selected topics in art, music, and literature from Prehistoric times to the Middle Ages using slide-illustrated lecture-discussions and museum visits.
- ARTS 262 **HUMANITIES IV** (3) Selected topics in art, music, and literature from the Renaissance to the 20th century using slide-illustrated lecture-discussions and museum visits.
- ARTS 270 **HISTORY OF ART I** (3) A survey of art and architecture from its prehistoric beginnings through the Middle Ages.
- ARTS 271 **HISTORY OF ART II** (3) A survey of western art and architecture from the Renaissance to the present.
- ARTS 372 **ART OF THE 20TH CENTURY** (3) A study of European and American art and architecture from about 1900 to the present.
- ARTS 373 **HISTORY OF AMERICAN ART** (3) 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.

Required Senior Courses

The following listings are required of senior art majors and designed especially for them, although non-art majors may enroll in ARTS 440.

- ARTS 440 **CRITICISM** (2) Study and discussion of the development of theories of beauty, art and taste and their application to contemporary ideas of art.
- ARTS 441 **SEMINAR: SENIOR ART MAJORS** (2) Practical considerations in aesthetic, business, and legal concerns of the artist. Visitations to artistic resources of Cincinnati.
- ARTS 490 **SENIOR CONCENTRATION** (3-6) 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.
- ARTS 491 **INDEPENDENT STUDY** (Credit to be arranged.) 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 chair.
- 591

THE DEPARTMENT OF BIOLOGY

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

The Bachelor of Science in Biology

The Bachelor of Science in Applied Biology - Cooperative Forestry and Environmental Management Program

The Bachelor of Science in Natural Sciences (for premedical and pre dental students)

The Certificate in Pre-Medicine Studies

The Bachelor of Science in Medical Technology

The Bachelor of Science in Teaching Biology and General Science

- in cooperation with the Department of Education (see page 177)

Associate of Science in Radiologic Technology

THE BACHELOR OF SCIENCE IN BIOLOGY

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 (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 and 156.
- Science requirement included within the major.

Major Requirements

- 36 hours in Biology courses: BIOL 160, 161, 162, 163, 210, 211, 230, 410, 411, 450, 451, 498, 499, ten hours of electives including at least one course from 222, 360, 440 and at least one course from 240, 244, 250.
- 17 hours in Chemistry courses: CHEM 160, 161, 162, 163, 240, 241, 242, 243.
- 8 hours in Physics courses: PHYS 104, 105, 106, 107.
- A 2.000 cumulative average must be attained in the Biology courses.

Requirements for the Biology Minor

- 17 hours in Biology courses: BIOL 160-161 recommended (but any lecture- lab course 100-161 is acceptable), 162, 163, 210-211, an additional lecture-lab elected from 200-451, and an additional 200-451 course if needed to complete 17 hours.
- A 2.000 cumulative average must be attained in the Biology courses.

THE BACHELOR OF SCIENCE IN APPLIED BIOLOGY

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 Forestry and Environmental Studies. 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. During the fall semester of the junior year at Xavier, the student applies for admission to the Duke School of Forestry and Environmental Studies. 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

E Pluribus Unum	1	History	6
English Composition	3	Social Sciences	
Philosophy PHIL 100 and 290	6	ECON 200 and 201	6
Theology THEO 111 and elective ..	6	Fine Arts	3
Foreign Language	6	Literature	3
Mathematics MATH 150 and 151 ..	6	Literature & Moral Imagination	3
Ethics/Religion and Society Focus elective	3		

which may also fulfill one of the core curriculum requirements above.

Major Requirements

- 26 hours of Biology courses: BIOL 160, 161, 162, 163, 210, 211, 230, 250, 251, 450, 451, 498, 499.
- 23 hours: CHEM 160, 161, 162, 163, CSCI 170, MATH 156, PHYS 104, 105, 106, 107.
- A 2.000 cumulative average must be attained in the Biology courses.
- One year of full time study at the Duke University School of Forestry and Environmental Studies.

THE BACHELOR OF SCIENCE IN NATURAL SCIENCES

(For Premedical and Predental Students)

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 on following page). Students should consult a current listing of professional school admission requirements* so that the selected course of studies 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.

Requirements for the Natural Sciences Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 and 156.
- Social Sciences: PSYC 101.
- Science requirement included within the major.

Major Requirements

- 59 hours in science courses: BIOL 160, 161, 162, 163, 230, 350, 351, 410, 411, CHEM 160, 161, 162, 163, 220, 221, 240, 241, 242, 243, PHYS 104, 105, 106, 107, ten hours in BIOL or CHEM, which includes two hours of research and eight hours of electives.
- A 2.000 cumulative average must be attained in the Biology, Chemistry and Physics courses.

- * "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.

THE CERTIFICATE IN PRE-MEDICAL STUDIES

This certificate program is designed for students who want to prepare for admission to medical school without completing a bachelor's degree in one of the sciences. Medical schools generally expect their applicants to have the equivalent of a bachelor's degree along with the four years of science courses required for this certificate. They are:

General Biology and Zoology (BIOL 160-163)	9
College Physics I and II (PHYS 104-107)	8
General Chemistry I and II (CHEM 160-163)	9
Organic Chemistry I and II (CHEM 240-243)	8

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.

THE BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

The curriculum which leads to the BS (Medical Technology) degree consists of three years of undergraduate study at Xavier University and the senior year at a CAHEA* accredited School of Medical Technology affiliated with Xavier University. Xavier University is affiliated with the following hospital-based programs: The Christ Hospital, Cincinnati; St Elizabeth Medical Center, Covington, KY; University of Cincinnati Medical Center.

The year of professional study at the hospital-based program consists of the following courses: Clinical Chemistry, Clinical Microscopy, Diagnostic Parasitology, Hematology, Immunology, Immunohematology, Medical Microbiology, and Medical Mycology. 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 National Certification Agency for Medical Laboratory Personnel.

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 CAHEA.

If a student is unable to enter a program of Medical Technology at a hospital, arrangements should be made with the student's academic advisor to determine the senior year courses for completion of requirements leading to a degree in Biology, Natural Sciences, or Chemical Science.

- * Committee on Allied Health Education and Accreditation.

Requirements for the Medical Technology Major

Core Curriculum Requirements

E Pluribus Unum	1	Foreign Language	6
English Composition	3	History	6
Philosophy PHIL 100 and 290	6	Social Sciences	6
Theology THEO 111 and elective ..	6	Fine Arts	3
Mathematics		Literature	3
MATH 120 or 150, 116 or 156	6	Literature & Moral Imagination	3
Ethics/Religion and Society Focus elective 3			

which may also fulfill one of the core curriculum requirements above.

Major Requirements

- 45 hours of science courses: BIOL 160, 161, 162, 163, 222, 410, 411, 450, 451, CHEM 160, 161, 162, 163, 221, 8 hours of organic/physiological chemistry lecture and laboratory, PHYS 104, 105, 106, 107.
- A 2.800 cumulative average must be attained in the science courses for acceptance by affiliated hospitals.
- One year of full time study at a hospital-based medical technology program affiliated with Xavier University.

ASSOCIATE OF SCIENCE IN RADIOLOGIC TECHNOLOGY

Xavier University in affiliation with the Radiologic Technology Advisory Board, offers a two year/full-time (23 months) classroom and clinical program leading to an Associate Degree in Science. The hospital affiliates are Bethesda Oak Hospital, Good Samaritan Hospital and St. Francis-St. George Hospital.

Education for the radiography student is an integrated plan of classroom, laboratory and clinical education. The program requires 71 semester hours which includes 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

Core Curriculum Requirements

- 29 hours in Liberal Arts courses: BIOL 140, 141, 142, 143, ENGL 101, HIST 142, MATH 105, PHIL 259, PSYC 101, SOCI 101, THEO 111.

Major Requirements

- 33 hours in Radiologic Technology - all RADT courses listed on page 78.
- 9 hours in major related areas: COMM 200, CHEM 107, CSCI 115, PHYS 120, 121.
- A grade of C or better must be attained in the RADT and PHYS courses.

Biology (BIOL)

Staff: DR. FINKE, *chair*; DR. CHAMBERS, SR. CHARTERS, DR. ENGLE, DR. GROSSMAN, DR. HEDEEN, MR. PETRI, DR. RYAN

Laboratory Instructors: MS. GIESMANN, DR. LAINE, MS. WENDT

Assisted by: MR. PECQUET, DR. TAFURI

BIOL 102-143 may not be taken for biology major, premedical, or predental requirements.

All lower division laboratory courses require animal dissection.

BIOL 160-163 are required as introduction to all upper division courses. In exceptional cases, BIOL 102-129 may be considered as full or partial fulfillment. Additional prerequisites are listed with specific courses.

Lecture and laboratory sections of each course except Genetics and Biochemistry must be taken concurrently.

Lower Division Courses

- BIOL 102- **LIFE (2)** Each course emphasizes a different aspect of biology and its impact on
 BIOL 120 human society: human biology (102), wellness (104), gender (106), genetics and evolution (112), microbes (116), plants (118), ecology (120).
- BIOL 125- **LIFE LAB INVESTIGATION (1)** Exercises, experiments, and field trips to
 BIOL 127 accompany BIOL 102-120.
- BIOL 130 **SCIENCE AND SOCIETY (2)** A course describing the discoveries, ideas, and
 132 theories relevant to different aspects of science, along with their impact on society. These are honors level courses for University Scholars.
- BIOL 131 **SCIENCE AND SOCIETY LABORATORY (1)** Exercises, experiments, and
 133 field trips each semester to accompany BIOL 130 and 132.
- BIOL 140 **HUMAN ANATOMY AND PHYSIOLOGY I (3)** The major human systems
 emphasizing the skeletal, muscular, and nervous systems.
- BIOL 141 **HUMAN ANATOMY AND PHYSIOLOGY I LABORATORY (1)** Human
 skeletal material and dissection of a representative mammal. Histology of tissues and organs with physiological exercises and demonstrations.

- BIOL 142 **HUMAN ANATOMY AND PHYSIOLOGY II** (3) Continuation of BIOL 140 stressing the circulatory, excretory, digestive, endocrine, and reproductive systems.
- BIOL 143 **HUMAN ANATOMY AND PHYSIOLOGY II LABORATORY** (1) Continuation of anatomical approach of BIOL 141 with related physiological studies and demonstrations.
- BIOL 160 **GENERAL BIOLOGY** (3) Principles of molecular, cellular, and organismal biology, emphasizing the physiology of vertebrates. Preparation for most 200-level courses.
- BIOL 161 **GENERAL BIOLOGY LABORATORY** (2) Laboratory exercises demonstrating the principles of cellular biology and vertebrate biology.
- BIOL 162 **GENERAL ZOOLOGY** (2) Topics in taxonomy, evolution, animal behavior, and ecology. Preparation for most 200-level courses.
- BIOL 163 **GENERAL ZOOLOGY LABORATORY** (2) Each major phylum is studied with extensive use of living organisms. Genetic materials, fossils, invertebrate behavior patterns, and ecological principles are examined.

Upper Division Courses

- BIOL 200 **MICROBIOLOGY** (3) Basic study of microbes, their activities, control, role in disease and host immune responses. Intended for Nursing and Pre-pharmacy students.
- BIOL 201 **MICROBIOLOGY LABORATORY** (1) Methods of isolation and culture of the bacteria, fungi, and protozoa. Techniques of classification of these organisms.
- BIOL 210 **GENERAL BOTANY** (2) The morphology, physiology, and reproduction of representatives of each plant division are studied with emphasis on the seed plants. Pre-requisites: BIOL 102-127 or BIOL 160-163.
- BIOL 211 **GENERAL BOTANY LABORATORY** (2) Living and preserved specimens of representatives of the various plant groups are studied along with demonstrations of pertinent principles of plant physiology.
- BIOL 222 **IMMUNOLOGY** (2) An introduction to the specific mechanisms by which the human body reacts to foreign biological materials.
- BIOL 230 **GENETICS** (3) Principles of heredity, the genetic control of development, molecular genetics, and population genetics. Prerequisites: BIOL 102-127 or BIOL 160-163.
- BIOL 231 **GENETICS LABORATORY** (1) Techniques of investigating fundamental genetic principles.
- BIOL 240 **EVOLUTION** (2) Evidence for and the mechanisms of evolutionary processes. Prerequisites: BIOL 102-127 or BIOL 160-163.
- BIOL 244 **ANIMAL BEHAVIOR** (2) Study of the innate, learned, aggressive, social, and sexual behavior of animals as evolutionary products. Prerequisites: BIOL 102-127 or BIOL 160-163
- BIOL 250 **ECOLOGY** (3) The relationships between organisms and their living and non-living environments. Prerequisites: BIOL 102-127 or BIOL 160-163.
- BIOL 251 **ECOLOGY LABORATORY** (1) Laboratory and field exercises to illustrate ecological principles. Local aquatic and terrestrial habitats are investigated.
- BIOL 280 **TOPICS IN BIOLOGY** (1-3) Short-term courses designed to explore biological phenomena of current interest. Prerequisites: BIOL 102-127 or BIOL 160-163 and permission of Chair.
- BIOL 290 **SPECIAL PROBLEMS IN BIOLOGY** (1-4) Independent study in some specialized area of biology. Prerequisite: permission of Chair.
- BIOL 301 **ZOOS ARE CLASSROOMS** (1) Demonstrates how zoos may be used to teach biological principles.

- BIOL 302 **LOCAL RESOURCES FOR TEACHING LIFE SCIENCES** (2) Demonstrates how museums, nature centers, parks, and farms may be utilized to teach biology.
- BIOL 303 **SKELETONS IN THE CLASSROOM** (2) Lectures and lab activities to demonstrate how skeletal material may be used in the classroom.
- BIOL 304 **PLANTS IN THE CLASSROOM** (2) Lectures, lab activities and field trips to demonstrate how plant material may be used in the classroom.
- BIOL 340 **ADVANCED PHYSIOLOGY** (3) Functional processes of the human body, interrelationships of the systems, and some hereditary and immunological applications. For Nursing curriculum. Prerequisites: BIOL 140-143.
- BIOL 350 **GENERAL EMBRYOLOGY** (2) A description of vertebrate development and an analysis of the mechanisms of animal development.
- BIOL 351 **GENERAL EMBRYOLOGY LABORATORY** (2) A microscopic and experimental study of gametogenesis, fertilization, cleavage, gastrulation, and organogenesis, emphasizing the vertebrates.
- BIOL 352 **COMPARATIVE ANATOMY OF THE VERTEBRATES** (2) The morphology and evolution of the vertebrates. Prerequisites: BIOL 350-351.
- BIOL 353 **COMPARATIVE ANATOMY OF THE VERTEBRATES LABORATORY** (2) Dissection of selected vertebrates with analysis of structure and function as adaptations.
- BIOL 360 **CELL BIOLOGY** (2) A contemporary view of cell structure and function.
- BIOL 410 **VERTEBRATE PHYSIOLOGY** (2) Contraction, perception, digestion, metabolism, circulation, respiration, coordination and excretion in vertebrates.
- BIOL 411 **VERTEBRATE PHYSIOLOGY LABORATORY** (2) Exercises requiring careful preparation of living materials and observation of their functional responses using modern instrumentation.
- BIOL 420 **GENERAL HISTOLOGY** (2) Structure and function of animal tissues as revealed by light microscopy, electron microscopy, and histochemistry. Prerequisite: senior standing or permission of instructor.
- BIOL 421 **GENERAL HISTOLOGY LABORATORY** (2) A microscopic study of fixed materials employing routine and histochemical techniques to demonstrate cell, tissue, and organ morphology.
- BIOL 440 **BIOCHEMISTRY** (3) (CHEM 440) A lecture course treating the structure, properties, and metabolism of proteins, carbohydrates, lipids, and nucleic acids. Prerequisite: CHEM 242.
- BIOL 441 **BIOCHEMISTRY LABORATORY** (1) (CHEM 441) Laboratory techniques and representative experiments in biochemistry. Prerequisite: BIOL 440/CHEM 440.
- BIOL 450 **BACTERIOLOGY** (2) The morphology, classification, physiology, and genetics of bacteria including the impact of these organisms on humans.
- BIOL 451 **BACTERIOLOGY LABORATORY** (2) The techniques for isolation, identification, culturing, and physiological study of bacteria.
- BIOL 495 **DIRECTED STUDY** Credit to be arranged. A variety of independent studies, including an internship program with the Cincinnati Zoo.
- BIOL 498 **METHODS OF BIOLOGICAL RESEARCH I** (1-2) The gathering and interpreting of experimental data from living organisms. Projects vary depending on faculty advisor. Prerequisites: senior standing or approval of chair.
- BIOL 499 **METHODS OF BIOLOGICAL RESEARCH II** (1-2) A continuation of BIOL 498 emphasizing experimental design and controls together with the written and oral presentation of scientific reports.

Medical Technology (MEDT)

Staff: SR. CHARTERS, *program director*

Adjunct Clinical Instructors: DR. PEMBERTON, MS. ELFERS, MR. KNEPP, DR. SODEMAN, MS. O'RORKE-RUSH

MEDT 450	INTRO MED LAB SCIENCE
MEDT 451	INTRO MED LAB SCIENCE - LAB
MEDT 453	URINALYSIS
MEDT 455	CLIN MICROSCOPY/URIN
MEDT 457	CLINICAL CHEMISTRY
MEDT 461	HEMATOLOGY & HEMOSTASIS
MEDT 463	HEMATOLOGY & COAGULATION
MEDT 465	HEMATOLOGY
MEDT 471	MEDICAL MICROBIOLOGY
MEDT 473	CLIN MICROBIOLOGY
MEDT 475	MED BACTERIOLOGY
MEDT 481	SEROLOGY
MEDT 483	TOXICOLOGY
MEDT 484	LAB MANAGEMENT
MEDT 485	MEDICAL MYCOLOGY
MEDT 486	RENAL FUNCTION
MEDT 487	IMMUNOLOGY
MEDT 489	DIAG PARASITOLOGY
MEDT 491	MYCOLOGY & VIROLOGY
MEDT 493	CLINICAL PATHOLOGY
MEDT 495	IMMUNOHEMATOLOGY
MEDT 499	IND STUDY



Radiologic Technology (RADT)

Staff: MS. ENDICOTT, *program director*; DR. MCCARTHY, M.D., *medical director*

Assisted By: MS. BORGEMENKE, MR. GASKIN, MS. GRIMM, MR. KELLY, MS. NASH, MS. TAPKE and MS. EILERS

- RADT 150 **MEDICAL TERMINOLOGY** (1) Medical word roots, stems, prefixes and suffixes. Common medical abbreviations.
- RADT 152 **NURSING PROCEDURES** (1) Nursing concepts as applied to radiology. Basic patient care and emergency procedures.
- RADT 160 **RADIOGRAPHIC POSITIONING I** (2) Didactic and laboratory instruction in radiographic positioning of the structures and organs of the human body.
- RADT 161 **RADIOGRAPHIC PRACTICUM I** (1) Radiographic clinical competency training and evaluation, Tuesdays and Thursdays during the fall semester at an affiliate hospital (16 hours/week).
- RADT 162 **RADIOGRAPHIC POSITIONING II** (2) Continuation of RADT 160.
- RADT 163 **RADIOGRAPHIC PRACTICUM II** (1) Continuation of RADT 161, spring semester.
- RADT 165 **RADIOGRAPHIC PRACTICUM III** (3) Continuation of RADT 163, summer semester, Monday through Friday (3 months, 40 hours/week).
- RADT 170 **PRINCIPLES OF RADIOGRAPHIC EXPOSURE I** (2) Basic concepts of radiation protection, the process of radiographic image production, and the specific equipment accessories used to produce high quality images.
- RADT 172 **PRINCIPLES OF RADIOGRAPHIC EXPOSURE II** (2) Controlling and influencing factors of radiographic quality.
- RADT 180 **RADIATION PROTECTION AND BIOLOGY** (2) How to use ionizing radiation in a safe and prudent manner, maximum permissible doses, effects of ionizing radiation on living tissue.
- RADT 250 **GENERAL RADIOGRAPHY** (2) Specialized radiographic positioning procedures including radiographic anatomy.
- RADT 260 **SPECIAL PROCEDURES** (2) Special radiographic procedures including angiography. Contrast media.
- RADT 261 **RADIOGRAPHIC PRACTICUM IV** (2) Advance radiographic clinical competency training and evaluation, fall semester on Mondays, Wednesdays and Fridays at an affiliate hospital (24 hours/week).
- RADT 263 **RADIOGRAPHIC PRACTICUM V** (2) Continuation of RADT 261, spring semester.
- RADT 265 **RADIOGRAPHIC PRACTICUM VI** (3) Continuation of RADT 263, summer semester, Monday through Friday (2 months, 40 hours/week).
- RADT 270 **PRINCIPLES OF RADIOGRAPHIC EXPOSURE III** (2) Radiographic technique charts and designs. Exposure conversion problems. Anode cooling and tube rating.
- RADT 280 **PATHOLOGY** (2) Study of diseases and the radiographic evaluation of the disease processes.
- RADT 290 **EQUIPMENT AND MAINTENANCE** (1) Design uses and maintenance of specialized radiographic equipment.

Full schedule available in the program brochure. Call 745-3358.

THE DEPARTMENT OF CHEMISTRY

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

- The Bachelor of Science 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 Bachelor of Science in Teaching Chemistry and General Science- in cooperation with the Department of Education (see page 177)
- Prepharmacy Program

THE BACHELOR OF SCIENCE IN CHEMISTRY

The Department of Chemistry offers a comprehensive curriculum leading to the Bachelor of Science degree. The program covers the four major fields (inorganic, analytical, organic, and physical chemistry), the preparation and identification of compounds, and the literature on the subject. CHEM 300 (Chemical Literature) fits the student to prepare his/her thesis and amounts to a beginning course in research.

Requirements for the Chemistry Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 170 and 171.
- Science requirement included within the major.

Major Requirements

- 44 hours in Chemistry courses: CHEM 160, 161, 162, 165, 235, 237, 240, 241, 242, 243, 300, 320, 322, 330, 339, 340, 341, 390, 398, 399, 411, 420, 421, 3-hour CHEM elective.
- 13 hours of Mathematics, Computer Science, and Physics courses: CSCI 124, MATH 220, PHYS 105, 107, 108, 110.
- A 2.000 cumulative average must be attained in the Chemistry courses.

Xavier University is approved by the American Chemical Society for its training in chemistry, and students completing the approved program of studies are graduated as "certified" chemistry majors.

Requirements for the Chemistry Minor

- 19 hours: CHEM 160, 161, 162, 163, 240, 241, 242, 243, and a course elected from 320-450 to complete at least 19 hours.
- A 2.000 cumulative average must be attained in the Chemistry courses.

THE BACHELOR OF SCIENCE IN CHEMICAL SCIENCE

The Department of Chemistry offers a program which leads to the degree BS 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 (see pp. 60-61): 64 hours, including

- Mathematics: MATH 120 and 150.
- Science requirement included within the major.

Major Requirements

- 32 hours of Chemistry courses: CHEM 160, 161, 162, 163, 220, 221, 240, 241, 242, 243, 300, 340, 341, 390, 5 hours of CHEM electives.
- 8 hours of Physics courses: PHYS 104, 105, 106, 107.
- A 2.000 cumulative average must be attained in the Chemistry courses.

While a thesis is not required in the Chemical Science program, a student may elect Chemical Research (398,399) in place of two hours of chemistry electives. In such a case the comprehensive examination requirement is waived.

THE BACHELOR OF SCIENCE IN APPLIED CHEMISTRY

**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.

Requirements for the Applied Chemistry Major

Core Curriculum Requirements:

E Pluribus Unum	1	History	6
English Composition	3	Fine Arts	3
Philosophy PHIL 100 and 290	6	Liberal Arts	9
Theology THEO 111 and elective ..	6	Literature & Moral Imagination	3
Foreign Language	6	Mathematics MATH 170 and 171	8
Ethics/Religion and Society Focus elective	3		

which may also fulfill one of the core curriculum requirements above.

Major Requirements

- 26 semester hours of Chemistry courses: CHEM 160, 161, 162, 165, 235, 237, 240, 241, 242, 243, 320, 322, 330, 339.
- 30 semester hours of Computer Science, Mathematics and Physics courses: CSCI 170, MATH 220, 230, two MATH electives, PHYS 105, 107, 108, 110, 350, 351.
- A 2.000 cumulative average must be attained in the Chemistry courses.
- 23 semester hours of engineering courses at the University of Cincinnati.

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.

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.

THE BACHELOR OF SCIENCE IN NATURAL SCIENCES

(For Premedical and Predental Students)

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 on page 73). Students should consult a current listing of professional school admission requirements* so that the selected course of studies 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.

Requirements for the Natural Sciences Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 and 156.
- Social Sciences: PSYC 101.
- Science requirement included within the major.

Major Requirements

- 59 hours in science courses: BIOL 160, 161, 162, 163, 230, 350, 351, 410, 411, CHEM 160, 161, 162, 163, 220, 221, 240, 241, 242, 243, PHYS 104, 105, 106, 107, ten hours in BIOL or CHEM, including 398, 399, and eight hours of electives.
- A 2.000 cumulative average must be attained in the Biology, Chemistry and Physics courses.

- * "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.

PREPHARMACY PROGRAM

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 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 in the case of the BS (Biology), BS (Chemical Science), and BS (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.

Chemistry (CHEM)

Staff: DR. HOPKINS, *chair*, DR. BARKER, DR. MCLOUGHLIN, DR. O'NEILL, DR. SWITZER, FR. THEPE

Laboratory Instructors: DR. MAJETI, MS. STROUD, MR. TODD

Lower Division Courses

- CHEM 102 **CHEMISTRY IN SOCIETY I** (2) A course for the non-science major. The relationship between chemistry and contemporary society.
- CHEM 103 **CHEMISTRY IN SOCIETY I LABORATORY** (1) Chemical experimentation which illustrates the concepts described in CHEM 102.
- CHEM 104 **CHEMISTRY IN SOCIETY II** (2) A course for the non-science major. The chemistry of drugs, air and water pollution, disease, and chemotherapy.
- CHEM 105 **CHEMISTRY IN SOCIETY II LABORATORY** (1) Chemical experimentation which illustrates the concepts described in CHEM 104.
- CHEM 106 **CHEMISTRY AND PHYSICS OF PHOTOGRAPHY I** (2) A course for the non-science major. Chemical and physical principles underlying photography are presented.
- CHEM 107 **CHEMISTRY AND PHYSICS OF PHOTOGRAPHY I LABORATORY** (1) Exemplification of principles taught in CHEM 106.
- CHEM 108 **CHEMISTRY AND PHYSICS OF PHOTOGRAPHY II** (2) A continuation of CHEM 107 applying the principles to black and white photographic processes.
- CHEM 109 **CHEMISTRY AND PHYSICS OF PHOTOGRAPHY II LABORATORY** (1) A continuation of CHEM 107.
- CHEM 140 **PRINCIPLES OF CHEMISTRY I** (3) An introduction to the basic principles of chemistry.
- CHEM 141 **PRINCIPLES OF CHEMISTRY I LABORATORY** (1) A laboratory course to accompany CHEM 140.
- CHEM 142 **PRINCIPLES OF CHEMISTRY II** (3) A continuation of CHEM 140 covering Organic Chemistry and Biochemistry. Prerequisite: CHEM 140.
- CHEM 143 **PRINCIPLES OF CHEMISTRY II LABORATORY** (1) Laboratory course to accompany CHEM 142.
- CHEM 144 **CHEMISTRY OF RADIOGRAPHIC FILM PROCESSING** (1) Historical development of X-ray film and darkroom accessories. The nature of processing solutions. Darkroom apparatus and techniques.
- CHEM 160 **GENERAL CHEMISTRY I** (3) Atomic and molecular structure, states of matter, stoichiometry and chemistry of representative main group elements. A pre-professional course.
- CHEM 161 **GENERAL CHEMISTRY I LABORATORY** (1) Practice in the basic operations of chemical laboratory work. Co-requisite: CHEM 160.
- CHEM 162 **GENERAL CHEMISTRY II** (3) A continuation of CHEM 160. Subjects include thermo-dynamics, equilibrium, acids and bases, kinetics, redox processes, and transition metal chemistry. Prerequisite: CHEM 160.
- CHEM 163 **GENERAL CHEMISTRY II LABORATORY** (2) A continuation of CHEM 161. The laboratory work includes qualitative and quantitative inorganic analysis. Prerequisite: CHEM 161; Corequisite: CHEM 162.
- CHEM 165 **GENERAL CHEMISTRY II LABORATORY** (1) Laboratory to accompany CHEM 162 emphasizing quantitative measurements. Prerequisite: CHEM 161; Corequisite: CHEM 162.

Upper Division Courses

- CHEM 202 **SURVEY OF ORGANIC CHEMISTRY (3)** A one-semester course intended for non- majors. Prerequisite: CHEM 162.
- CHEM 203 **SURVEY OF ORGANIC CHEMISTRY LABORATORY (1)** Laboratory course to accompany CHEM 202.
- CHEM 204 **PHYSIOLOGICAL CHEMISTRY (3)** A study of biochemistry intended for non-majors. Prerequisite: CHEM 202.
- CHEM 205 **PHYSIOLOGICAL CHEMISTRY LABORATORY (1)** Laboratory course to accompany CHEM 204.
- CHEM 220 **PRINCIPLES OF PHYSICAL CHEMISTRY (3)** For students in the life sciences, education, and BS Chemical Science programs. Aspects of physical chemistry most relevant to living systems. Prerequisite: CHEM 162.
- CHEM 221 **ANALYTICAL CHEMISTRY (1)** Lecture and Laboratory course. Application of wet and instrumental analytical methods to substances of clinical interest. Prerequisite: CHEM 163.
- CHEM 235 **PHYSICAL ANALYTICAL LABORATORY I (1)** Measurement techniques applied to chemical systems. One four-hour period per week including lectures on principles of quantitative measurement. Prerequisites: CHEM 162; CHEM 163, or 165.
- CHEM 237 **PHYSICAL ANALYTICAL LABORATORY II (1)** Continuation of CHEM 235. One four-hour period per week. Prerequisite: CHEM 235.
- CHEM 240 **ORGANIC CHEMISTRY I (3)** Introductory course treating the structure, preparation, reactions, and properties of organic compounds. Prerequisite: CHEM 162.
- CHEM 241 **ORGANIC CHEMISTRY I LABORATORY (1)** The practice of fundamental operations involved in the synthesis, separation, purification, and identification of organic compounds. Prerequisite: CHEM 163 or 165.
- CHEM 242 **ORGANIC CHEMISTRY II (3)** A continuation of CHEM 240 which extends the treatment of fundamental organic chemistry. Prerequisite: CHEM 240.
- CHEM 243 **ORGANIC CHEMISTRY II LABORATORY (1)** Continuation of the laboratory work of CHEM 241 with increased emphasis on the reactions and synthesis of organic systems. Prerequisite: CHEM 241. Corequisite: CHEM 242.
- CHEM 300 **CHEMICAL LITERATURE (1)** An introduction to the nature and use of the chemical literature, general research procedures, technical report writing, and computerized literature searches. Prerequisite: junior standing.
- CHEM 320 **PHYSICAL CHEMISTRY I (3)** An introduction to theoretical chemistry with emphasis on thermodynamics and chemical equilibrium. Prerequisite: CHEM 162.
- CHEM 322 **PHYSICAL CHEMISTRY II (2)** A continuation of CHEM 320. Chief emphasis is on chemical kinetics and kinetic molecular theory. Prerequisite: CHEM 320.
- CHEM 330 **QUANTUM CHEMISTRY (2)** An introduction to quantum chemistry and molecular structure. Corequisite: CHEM 322.
- CHEM 339 **PHYSICAL ANALYTICAL LABORATORY III (1)** Laboratory experiments to demonstrate spectroscopic techniques. Prerequisite: CHEM 237.
- CHEM 340 **INSTRUMENTAL ANALYSIS (3)** Discussion of modern analytical chemistry with emphasis on instrumentation and measurement techniques. Prerequisite: CHEM 320 or CHEM 220.
- CHEM 341 **INSTRUMENTAL ANALYSIS LABORATORY (2)** Practice in the use of chemical instrumentation as available. Two four-hour periods per week. Prerequisite: CHEM 340.
- CHEM 390 **CHEMISTRY SEMINAR (0)** Required of all chemistry majors in junior and senior year.
- CHEM 398 **CHEMICAL RESEARCH I (1)** Directed reading and undergraduate laboratory research required of all chemistry majors in their junior or senior year. A charge will be made for materials used.

- CHEM 399 **CHEMICAL RESEARCH II (1)** A continuation and conclusion of research begun in CHEM 398. No additional charge for materials will be made. A written thesis is required as a final report of the activities of CHEM 398 and 399.
- CHEM 411 **ORGANIC SYNTHESIS AND ANALYSIS (3)** Synthesis and analysis of organic compounds. Emphasis on chromatographic and spectroscopic methods of identification and estimation. Prerequisites: CHEM 242 and 243.
- CHEM 420 **INORGANIC CHEMISTRY (3)** Modern theories of bonding and structure. Acid-base and redox chemistry based on thermodynamic principles. Coordination compound chemistry. Prerequisite: CHEM 330.
- CHEM 421 **INORGANIC CHEMISTRY LABORATORY (1)** Laboratory techniques and practice in synthetic inorganic chemistry. Prerequisite: CHEM 420.
- CHEM 430 **RADIOCHEMISTRY (2)** Lecture on basic principles of radiochemistry and the methodology of instrumental techniques.
- CHEM 431 **RADIOCHEMISTRY LABORATORY (1)** Laboratory course to accompany CHEM 430.
- CHEM 440 **BIOCHEMISTRY (3)** (BIOL 440) A lecture course treating the structure, properties, and metabolism of proteins, carbohydrates, lipids, and nucleic acids. Prerequisite: CHEM 242.
- CHEM 441 **BIOCHEMISTRY LABORATORY (1)** (BIOL 441) Laboratory techniques and representative experiments in biochemistry. Prerequisite: CHEM 440/BIOL 440.
- CHEM 450 **TOPICS IN ORGANIC CHEMISTRY (2)** An extension of fundamental organic chemistry to include more specialized topics not previously considered or extensively treated. Prerequisite: CHEM 242.
- CHEM 460 **TOPICS IN BIOORGANIC CHEMISTRY (2)** A course devoted to the synthesis, reactions, and structure of organic molecules involved in biological processes. Prerequisite: CHEM 242.
- CHEM 495 **DIRECTED STUDY** Credit to be arranged.



THE DEPARTMENT OF CLASSICS

The Department of Classics offers two bachelor degrees, the Bachelor of Arts in Classics and the Bachelor of Arts in Classical Humanities. In addition, the department plays a major role in the Honors Bachelor of Arts degree. For this degree, see page 64 in Special University Programs.

THE BACHELOR OF ARTS IN CLASSICS

The AB degree in classics is designed to bring students into intimate contact with the world of the ancient Romans or Greeks through the study of their language and literature. 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 (see pp. 60-61): 64 hours, including

- Foreign Language requirement included within the major.

Major Requirements

- 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.
- A 2.500 cumulative average must be attained in the above courses.
- Intermediate proficiency in a second foreign language, classical or modern.
- Pass a comprehensive examination.
- In addition to the above requirements, the student has 18 - 24 hours of non-designated electives which can be used to meet specific student interests or needs.

Requirements for the Greek Minor

- Five courses in Greek beyond the elementary II level
- A 2.000 cumulative average is required in the Greek courses.

Requirements for the Latin Minor

- Five courses in Latin beyond the elementary II level
- A 2.500 cumulative average is required in the Latin courses.

THE BACHELOR OF ARTS IN CLASSICAL HUMANITIES

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 culture, which in time and place is far removed from our own but which has exercised a very strong influence on modern civilization.

Requirements for the Classical Humanities Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Foreign Language requirement included within the major.

Major Requirements

- 0-12 lower division hours in Latin or Greek (the number depending on prior achievement).
- 6 hours in Latin or Greek beyond the intermediate language level.
- 18 hours in Classical Culture offerings.
- 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 student interests or needs.

Requirements for the Classical Humanities Minor

- Six courses in Classical Culture offerings.
- A 2.500 cumulative average must be attained in the Classical Culture courses.

Classics

Staff: DR. HARRISON, *chair*; DR. MURRAY, DR. RETTIG

Classical Culture (CLAS)

NOTE: Courses with the CLAS designation require no knowledge of an ancient language.

Lower Division Courses

- CLAS 101 **ANCIENT MEDITERRANEAN CIVILIZATIONS I: GREECE** (3) 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.
- CLAS 102 **ANCIENT MEDITERRANEAN CIVILIZATIONS II: ROME** (3) An introduction to the methodologies of ancient historical study and an account of the growth and development of ancient Roman civilization from its archaeological and legendary beginnings through the Roman republic into the time of the emperors.
- CLAS 130 **STUDIES IN EPIC** (3) An inquiry into the epic genre, the epic hero, and epic values through a careful reading of several ancient and medieval poems. (ENGL 130).
- CLAS 142 **CLASSICAL TRAGEDY** (3) A study of the tragic form, its poetry, and its use of myth through careful reading of several plays of Aeschylus, Sophocles, Euripides, and Seneca. (ENGL 142).
- CLAS 146 **CLASSICAL COMEDY AND SATIRE** (3) A study of ancient classical writings, comedies, which were presented on the stage, and satirical poems. (ENGL 146).

Upper Division Courses

- CLAS 205 **CLASSICAL LITERATURE AND THE MORAL IMAGINATION** (3) An examination of ethical and social issues drawn from the Graeco-Roman past which illuminate contemporary society.
- CLAS 247 **CLASSICAL MYTHOLOGY: FINE ARTS** (3) A study of ancient classical myths, primarily through artifacts and works of art, highlighting the meaning and influence of its myths.
- CLAS 248 **CLASSICAL MYTHOLOGY: LITERATURE** (3) A study of the ancient classical myths, primarily through its surviving literature, highlighting the meaning and influence of its myths.
- CLAS 249 **NEAR EASTERN MYTHOLOGY: FINE ARTS** (3) A study of the major myths of the ancient Near Eastern peoples, primarily through artifacts and works of art, highlighting the meaning and influence of its myths.
- CLAS 250 **NEAR EASTERN MYTHOLOGY: LITERATURE** (3) A study of the major myths of the ancient Near East, primarily through its surviving literature, highlighting the meaning and influence of its myths.
- CLAS 251 **GREEK ARCHAEOLOGY** (3) The major monuments of Greek antiquity explored as a backdrop to the art, history, and literature of ancient Greece.
- CLAS 252 **ROMAN ARCHAEOLOGY** (3) The major monuments of Roman antiquity explored as a backdrop to the art, history, and literature of ancient Rome.
- CLAS 345 **INTRODUCTION TO THE CHURCH FATHERS** (3) 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. (THEO 345).
- CLAS 395 **DIRECTED STUDY** Credit and content by arrangement.
- CLAS 399 **SENIOR THESIS** Credit and content by arrangement.

Greek (GREK)**Lower Division Courses**

- GREK 101 **ELEMENTARY GREEK I** (3) One semester. The ancient Greek language. Syntax, vocabulary, and morphology. The skills necessary to read ancient Greek.
- GREK 102 **ELEMENTARY GREEK II** (3) One semester. A continuation of GREK 101.
- GREK 162 **EURIPIDES: MEDIA** (3) A first author course, reading the play in detail and examining the issues it raises.
- GREK 172 **PLATO** (3) *The Apology* and other selections.

Upper Division Courses

- GREK 201 **INTRODUCTION TO GREEK LITERATURE** (3) For students who have had six hours of college level Greek or its equivalent. Selected readings from various Greek authors and genres.
- GREK 206 **HISTORY OF ANCIENT GREECE** (3) An intensive introduction to the history of Greece from the prehistoric period to the Hellenistic Age, relying upon a reading of primary sources.
- GREK 241 **KOINE GREEK I** (3) (THEO 241) Readings from the New Testament and Septuagint. Prerequisites: GREK 101 and GREK 102 or the equivalent.
- GREK 242 **KOINE GREEK II** (3) A continuation of GREK 241. Readings may also include non-scriptural writings.
- GREK 260 **SOPHOCLES** (3) *The Oedipus Tyrannus* or *Antigone*.
- GREK 262 **EURIPIDES** (3). A selection of readings from several plays.
- GREK 331 **THUCYDIDES** (3). A critical reading of selections from the *Histories*.
- GREK 351 **HOMER: ILIAD** (3) A study of the epic.
- GREK 352 **HOMER: ODYSSEY** (3). A study of the epic.
- GREK 363 **AESCHYLUS** (3). A selection of readings from several plays.
- GREK 372 **PLATO: THE REPUBLIC** (3). A critical reading of selections from the *Republic*.
- GREK 388 **HISTORY OF GREEK LITERATURE** (3). A final Greek course meant to be a summation and synthesis of the achievement of Greek literature.
- GREK 397 **SPECIAL STUDY: PROSE** Credit and content by arrangement.
- GREK 398 **SPECIAL STUDY: POETRY** Credit and content by arrangement.
- GREK 399 **SENIOR COMPREHENSIVE REVIEW** Credit and content by arrangement.

Latin (LATN)**Lower Division Courses**

- LATN 101 **ELEMENTARY LATIN I** (3) The ancient Latin language. Syntax, vocabulary, and morphology. The skills necessary to read Latin.
- LATN 102 **ELEMENTARY LATIN II** (3) A continuation of LATN 111 with readings from simpler Latin texts.
- LATN 153 **VERGIL: AENEID VII-XII** (3). A first author course reading the epic poem in close detail, examining especially its literary excellence.

Upper Division Courses

- LATN 201 **INTRODUCTION TO LATIN LITERATURE** (3) 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.
- LATN 202 **SELECTED LATIN READINGS: PROSE** (3) For students who have had six hours of college level Latin or its equivalent. Short readings from various Latin authors and genres.
- LATN 203 **SELECTED LATIN READINGS: POETRY** (3) For students who have had nine hours of college Latin or its equivalent. A selection of poems or poetic passages from various Latin poets and poetic genres.

- LATN 206 **HISTORY OF ANCIENT ROME** (3) An intensive introduction to the history of Rome from the early Republican period to the rise of Christianity, relying upon a reading of the primary sources.
- LATN 211 **LIVY** (3). A critical reading of selections from the *Histories*, the main source for the history of the Roman Republic.
- LATN 214 **LATIN PROSE STYLE** (3). Intensive grammar instruction through composition into Latin from English.
- LATN 221 **CICERO: ORATIONS** (3). A close reading of Cicero's *Pro Milone*, or other oratorical work.
- LATN 231 **HORACE: ODES and EPODES** (3). Reading and study of the majority of the shorter poems.
- LATN 251 **VERGIL: AENEID** (3). A comprehensive, critical, and in depth reading of the entire *Aeneid*.
- LATN 261 **ROMAN COMEDY** (3). Selections from Plautus and Terence with a view to their influence on Renaissance and modern comedy.
- LATN 308 **CAESAR** (3). Readings from the *de Bello gallico* and *de Bello civili*.
- LATN 312 **TACITUS: ANNALES** (3). A critical reading of selections from the *Annales*, the main source for the history of the Roman Empire.
- LATN 319 **CICERO: LETTERS** (3). An examination of the society and history revealed through Cicero's private correspondence.
- LATN 328 **CICERO: ESSAYS** (3). A critical reading of the importance of Cicero's contribution to the history of philosophy through his essays.
- LATN 331 **HORACE: SATIRES and EPISTLES** (3). Reading and study of Horace's longer poems, which wittily upbraid contemporary Roman society.
- LATN 332 **CATULLUS** (3). Examination and explication of his poems.
- LATN 356 **ROMAN SATIRE** (3). Translation and comparison of selections from the satirical works of Varro, Horace, Seneca, Persius, and Juvenal.
- LATN 388 **HISTORY OF LATIN LITERATURE** (3). A final Latin course meant to be a summation and synthesis of the achievement of Latin literature.
- LATN 391 **LUCRETIUS** (3). Detailed reading of selections from Lucretius's philosophical epic poem.
- LATN 397 **SPECIAL STUDY: PROSE** Credit and content by arrangement.
- LATN 398 **SPECIAL STUDY: POETRY** Credit and content by arrangement.
- LATN 399 **SENIOR COMPREHENSIVE REVIEW** Credit and content by arrangement..



THE DEPARTMENT OF COMMUNICATION ARTS

The Department of Communication Arts offers an Associate of Arts degree and a Bachelor of Arts degree in four areas: Public Relations, Electronic Media, Organizational Communication, and Advertising. For more information on the Associate degree, contact the Center for Adult and Part-time Students.

THE BACHELOR OF ARTS IN COMMUNICATION ARTS

The Communication Arts major will help students understand the 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 COMM 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 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 courses, and continued improvement in writing, speaking, and word-processing skills is expected. All COMM majors are required to take at least one writing course, one speaking course and one course in interpersonal communication. In addition, students needing additional work in writing will be required to take COMM 106 Effective Writing.

Many students within the department work closely with the university's television production studio and its FM radio station, WVXU. The television studio is very active in program production for cable television and industrial usage. The radio station broadcasts to the tri-state area from its new building and has received national recognition for its work. Both facilities utilize students in a number of roles and encourage the development of high professional standards.

Requirements for the Communication Arts Majors

Core Curriculum Requirements (see pp. 60-61): 64 hours

Major Requirements: 36 hours

- Advertising: COMM 101, 107, 230, 329, 330, 332, 334, 439, twelve hours of guided COMM electives.
 - Electronic Media: COMM 101, 107, 240, 250, 340, 341 or 350, 345 or 346, fifteen hours of guided COMM electives.
 - Organizational Communication: COMM 101, 107, 209, 260, 264, 301, 360 363, 460, 462, 467, 469.
 - Public Relations: COMM 101, 107, 270, 271, 329, 370, 477, 479, twelve hours of guided COMM electives.
 - A 2.000 cumulative average must be attained in the Communication Arts courses.
- 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.

Requirements for the Associate Degree in a Communication Arts Major

Core Curriculum Requirements (see p. 62): 28 hours (the Ethics/Religion and Society Focus elective is excluded)

Concentration Requirements: 30 hours

- Concentration Requirements are chosen from the major requirements under Bachelor's Degree above.
- A 2.000 cumulative average must be attained in the Communication Arts courses.

Communication Arts (COMM)

Staff: DR. DAILY, chair; MR. ANDERSON, DR. FINCH, MR. HAGERTY, MR. KELLY, DR. KING, MR. SCHICK, MR. SMITH, MS. WELKER

Academic Staff: MS. MIMS, MS. PEARCE

Assisted by: MS. ANDERSON, MR. BROERING, MR. DOENCH, MR. FELD, DR. FLOREZ, MR. HILL, MS. HURLEY, MR. KAISER, MS. KNEISEL, MS. KRAUSS, MS. KUHLMAN, MR. MASTRIANI, MS. MEEKER-ARCHER, MR. MUELLER, MS. MUETHING, MR. O'NEILL, MR. ROGERS, MR. SAMUELS, MR. SCHREIBER, FR. THEPE, MR. TRAYNOR, MR. YAW, MR. ZAHN

General

- COMM 101 **ORAL COMMUNICATION** (3) Speech fundamentals as applied to public speaking and listening skills.
- COMM 106 **EFFECTIVE WRITING** (3) Creative solutions to writing problems in a variety of practical and theoretical situations. Primarily designed for COMM majors.
- COMM 107 **INTERPERSONAL COMMUNICATION** (3) Understanding of and classroom practice in effective communication between persons.
- COMM 110 **ART OF THE FILM** (3) Film as a modern art form, treating sound, motion, editing, light, acting, director's style, and film analysis.
- COMM 111 **FILM HISTORY AND DIRECTORS** (3) Motion picture history with a focus on certain great directors.
- COMM 112 **MEDIA AESTHETICS** (3) Principles of visual and aural aesthetics especially as applied to television and motion pictures.
- COMM 113 **NON-FICTION FILM** (3) Development of the non-fiction film from Flaherty to "cinema of truth." Current documentaries on controversial topics will be stressed.
- COMM 114 **FILM CRITICISM** (3) Cultivating criteria for judging films from viewing and analysis. Leading theories studied.
- COMM 199 **SPECIAL STUDY** An in depth study of a specific topic or area in communication (permission of advisor).
- COMM 202 **PERFORMANCE STUDIES I: PERSON, LANGUAGE, CULTURE** (3) The study, through analysis and individual performance, of a variety of aesthetic texts: interpersonal, literary, and cultural.
- COMM 209 **GROUP DYNAMICS** (3) Dynamic and participative strategies in group process skills. Learn by participating and doing.
- COMM 216 **PHOTOGRAPHY I** (3) The camera—structure and use. Composition, pictorial arrangement, techniques in shooting. Optics and exposure, emulsions, filters, and lighting. Techniques of laboratory developing.
- COMM 217 **ACTING I** (3) An introduction to and familiarization with the basic principles of acting as they deal with the creation and interpretation of a role in a specific play.
- COMM 218 **INTRODUCTION TO THEATER** (3) Designed to acquaint students with the operation and administration of professional theater.
- COMM 222 **COMMUNICATION THEORY** (3) Nature, purpose, scope, and process of communication. Models, learning, language, and certain theories.
- COMM 223 **SURVEY OF MASS MEDIA** (3) Models and processes of mass communication, including electronic media, advertising, film, records, etc.
- COMM 224 **INTERCULTURAL COMMUNICATION** (3) This course looks at the variety of ways cultures can influence the way we use and interpret formal and informal communication, and what that means to us as citizens of the world.
- COMM 299 **SPECIAL STUDY** An in depth study of a specific topic or area in communication (permission of advisor).
- COMM 301 **PRESENTATIONAL SPEAKING** (3) Preparation and delivery of oral presentations for business and professions. Emphasizes persuasion, evidence, organized sequences, and uses of multimedia aids. Prerequisite COMM 101.

- COMM 302 **PERFORMANCE STUDIES II: STAGING TEXTS** (3) Theory and practice of staging aesthetic text for group performance with emphasis on adapting, compiling, and directing. Texts may include literature, ethnographic material, music, recorded conversations and mediated images.
- COMM 306 **FEATURE WRITING FOR PUBLICATION** (3) Develops skill in writing feature articles for print media. Prerequisites ENGL 101 or ENGL 115; plus at least one additional college writing course.
- COMM 310 **HISTORY OF THE HORROR FILM** (3) An analysis and history of the horror film with attention to the myths behind the subject matter.
- COMM 311 **HISTORY OF THE WESTERN FILM** (3) An analysis and history of the western film with attention to the reality and myths behind the subject matter.
- COMM 316 **PHOTOGRAPHY II** (3) Lecture-lab experience to improve skills in creating and developing quality photographs. Prerequisite: COMM 216 or approval of the instructor.
- COMM 317 **ACTING II** (3) Intensive study of acting theory and practice. Prerequisite: COMM 217 or approval of instructor.
- COMM 318 **DIRECTING FOR THE STAGE I** (3) A practical course exploring the artistry and technique of the stage director. Work required on mainstage productions.
- COMM 326 **MEDIA ETHICS** (3) An examination of ethical problems within the mass media.
- COMM 327 **INTERPERSONAL CONFLICT MANAGEMENT** (3) An examination of the process nature of conflict and an evaluation of various conflict styles.
- COMM 329 **COMMUNICATION RESEARCH TECHNIQUES** (3) Studies the major techniques for conducting research for communication; primary and secondary research.
- COMM 399 **SPECIAL STUDY** An in depth study of a specific topic or area in communication (permission of advisor).
- COMM 403 **ARGUMENTATION AND DEBATE** (3) Practice in the skill of reasoned argumentation, research and analysis through the debate activity. Prerequisite: COMM 101 or approval of instructor.
- COMM 406 **TECHNICAL WRITING** (3) An examination of those particular writing skills used in the development of training materials.
- COMM 410 **WAR AND PEACE IN LITERATURE AND FILM** (3) Treatment of war and peace in the media from Civil War to Vietnam War.
- COMM 411 **SHORT STORY/SHORT FILM** (3) A detailed study of the film versions of some famous short stores. Comparisons and contrasts will illuminate the author's point-of-view behind the changes involved.
- COMM 423 **GENDER AND COMMUNICATION** (3) An examination of gender differences in communication and how they impact our daily lives.
- COMM 424 **NONVERBAL COMMUNICATION** (3) The study of the various components of nonverbal communication and how they greatly influence our lives in many arenas, including the family, politics, and the workplace.
- COMM 426 **LAW AND ETHICS IN MASS COMMUNICATION** (3) Important ethical and legal issues which affect contemporary mass communication.
- COMM 499 **SPECIAL STUDY** An in depth study of a specific topic or area in communication (permission of advisor).

Communication Arts: Electronic Media

- COMM 240 **FUNDAMENTALS: ELECTRONIC MEDIA** (3) History and current developments. Basic technical matters which dictate the shape and form of the electronic media.
- COMM 250 **VIDEO PRODUCTION AND TECHNOLOGY** (3) Operation of video equipment including cameras, switcher, audio, character generator, VTRs and lighting. Basic video production techniques (studio and field) including 3/4" editing.
- COMM 254 **TELEVISION PROGRAM DEVELOPMENT** (3) The design, development, and scripting of professional-level programming. Stresses critical thinking, organization, imagination, and communication strategies.

- COMM 340 **AUDIO PRODUCTION AND TECHNOLOGY** (3) Technical and theoretical basis. Techniques of tape editing, special effects, commercial production, and documentary production. Lab.
- COMM 341 **RADIO LAB** (3) Advanced experience in production and public radio operations-WVXU. Prerequisite: COMM 340 or permission of advisor.
- COMM 343 **RADIO/TV/CABLE PROGRAMMING** (3) The practical and theoretical world of programming for the electronic media. Prerequisite: COMM 240.
- COMM 344 **BROADCAST ANNOUNCING** (3) Principles, preparation, and delivery of announcements, newscasts, and other projects. Prerequisite: COMM 340.
- COMM 345 **INTRODUCTION TO BROADCAST JOURNALISM** (3) Survey of the structures and principles of radio and television news reporting and writing. Prerequisite: COMM 240.
- COMM 346 **INTRODUCTION TO BROADCAST WRITING** (3) Survey of writing styles used in the broadcast industry, including advertising, journalism, and script writing. Prerequisite: COMM 240.
- COMM 347 **BROADCAST SALES** (3) Giving the potential sales representative the proper background to make sales calls, understand the media business from a sales standpoint, and overcome common obstacles. Prerequisite: COMM 240.
- COMM 348 **INTERNSHIP: ELECTRONIC MEDIA/RADIO I**
- COMM 350 **TELEVISION LAB** (3) Experience in TV production or research. Prerequisite: COMM 250.
- COMM 352 **TELEVISION NEWS PRODUCTION** (3) Introduction to the process of assembling and producing local television news programs.
- COMM 353 **TELEVISION ON-CAMERA PERFORMANCE** (3) Basic skills, techniques and procedures for on-air talent to develop a professional level of performance for news, public affairs, talk shows and commercials.
- COMM 355 **TELEVISION SCRIPT WRITING** (3) Introduction to the writing skills and mechanics of creating scripts for television.
- COMM 357 **TELEVISION SPORTS REPORTING** (3) What is covered, how it is covered and why it is covered. Production, reporting, writing, videography, editing, on-the-air presentation, programming, play-by-play, and promotion.
- COMM 358 **INTERNSHIP: ELECTRONIC MEDIA/TV I**
- COMM 440 **ADVANCED AUDIO PRODUCTION** (3) Continuation of COMM 340 for students interested in professional audio engineering. Prerequisites: COMM 340 and approval of advisor.
- COMM 444 **RADIO REPORTING AND PERFORMANCE** (3) Gathering and reading of news, in-person and telephone interviews. News delivery styles. "Air-check" tape. Lab.
- COMM 446 **RADIO-TV NEWSWRITING** (3) Styles and formats of broadcast news writing.
- COMM 447 **BROADCAST MANAGEMENT** (3) Study of station management, organization, and operational techniques. Prerequisite: COMM 240.
- COMM 448 **INTERNSHIP: ELECTRONIC MEDIA/RADIO II**
- COMM 450 **TELEVISION LIGHTING** (3) Opportunities to address a wide variety of lighting challenges. Students work in the studio and in the field on specific advanced lighting techniques. Prerequisite: COMM 250.
- COMM 451 **INTRODUCTION TO VIDEO GRAPHICS** (3) Creative elements of conceptualization, generation and 2D animation within a high resolution paint system. Integration of paint system with live/tape video and character generation.
- COMM 453 **VIDEO POST-PRODUCTION** (3) Operation of advanced post-production system. A/B Time Code Editing, switcher effects, electronic graphics and video paint system operation. Prerequisite: COMM 250 or approval of instructor.
- COMM 454 **TELEVISION DIRECTING** (3) Focus on developing creativity in context of directing in front of and behind the camera and from the control room. Prerequisite: COMM 250.
- COMM 455 **LIFESTYLES AND WORKPLACES IN TV AND FILM** (3) Production and marketing approaches for the visual media as demonstrated by professionals in the field. Prerequisite: COMM 250.

COMM 456 **ADVANCED TELEVISION PRODUCTION** (3) Students produce a scripted program. Focus on production values contributing to a professional quality program. Prerequisite: COMM 250.

COMM 457 **CAMERA WORK IN TV & FILM** (3) Intensive focus on camera technique and operation for film and television. Prerequisite: COMM 250.

COMM 458 **INTERNSHIP: ELECTRONIC MEDIA/TV II**

Communication Arts: Public Relations

COMM 270 **PRINCIPLES OF PUBLIC RELATIONS** (3) Presents an overview of the theories and practices of public relations, its function in organizations, and its role in society.

COMM 271 **PUBLIC RELATIONS WRITING** (3) Develops skills in public relations writing, primarily for print media, including both public media and controlled media; laboratory approach includes writing with a computer. Prerequisite: ENGL 101 or ENGL 115.

COMM 272 **PUBLIC RELATIONS PUBLICATION TECHNIQUES** (3) Develops skills in desktop publishing, as well as familiarity with traditional production techniques, to produce newsletters, brochures, flyers and other printed material used in public relations. Prerequisite: COMM 271.

COMM 275 **NEWS WRITING** (3) Develops skills used in writing for the printed public news media, as well as a journalistic perspective. Prerequisite: ENGL 101 or ENGL 115.

COMM 276 **COPYEDITING** (3) Develops skills used in proofreading, rewriting, revising and editing copy, to effect a readable, contemporary style for print media. Prerequisite: ENGL 101 or ENGL 115.

COMM 277 **NEWS REPORTING** (3) Develops skills used in the public news media to cover events, speeches and other news under deadline pressures; includes research and interviewing techniques. Prerequisite: ENGL 101 or ENGL 115.

COMM 278 **BASICS OF PUBLISHING** (3) Presents the processes employed in publishing both public and controlled print media; includes both traditional and desktop publishing techniques.

COMM 370 **MEDIA AND PUBLIC RELATIONS** (3) [previously titled Techniques of Publicity] Presents the advanced practice of public relations, giving particular attention to the design and management of publicity and programs that deal effectively with the news media. Prerequisites: COMM 270 and COMM 271.

COMM 371 **ADVANCED PUBLIC RELATIONS WRITING** (3) Develops advanced writing skills for public relations programs; gives particular attention to backgrounders, brochures, handbooks, annual and quarterly reports, and scripts for broadcast, AV and film. Prerequisite: COMM 271.

COMM 376 **PUBLIC RELATIONS AND FUND RAISING FOR NONPROFIT ORGANIZATIONS** (3) Presents the principles and practices of public relations and fund raising as applied in the nonprofit sector, including such fields as human services, education, health care, the arts and culture, social action, and religion. Prerequisite: Junior status.

COMM 377 **PUBLIC RELATIONS IN BUSINESS AND INDUSTRY** (3) Presents the principles and practices of public relations as applied in the business and industrial sector; gives particular attention to such areas as employee relations and unionization, investor relations, marketing communications, and regulatory and governmental affairs. Prerequisite: Junior status.

COMM 378 **INTERNSHIP IN PUBLIC RELATIONS I** (3) Provides students with hands-on experience in a real public relations setting, under the direct supervision of a professional public relations practitioner. Prerequisites: 15 hours of Communication Arts, including COMM 270 and COMM 271; Junior status and approval of the coordinator of the public relations major.

- COMM 477 PUBLIC RELATIONS MANAGEMENT (3)** Presents management theories and techniques as applied to public relations activities and functions; workshop approach provides students skills for developing public relations campaigns. Prerequisites: 15 hours of Communication Arts, including COMM 270 and COMM 271; Senior status.
- COMM 478 INTERNSHIP IN PUBLIC RELATIONS (3)** Provides students with advanced hands-on experience in a real public relations setting, under the direct supervision of a professional public relations practitioner. Prerequisites: 21 hours of Communication Arts, including COMM 378; Senior status and approval of the coordinator of the public relations major.
- COMM 479 SENIOR SEMINAR: PUBLIC RELATIONS IN MODERN SOCIETY (3)** A comprehensive Senior-year seminar that examines the major ethical and legal principles that guide the responsible practice of public relations in American society. Prerequisite: COMM 477; Senior status.

Communication Arts: Organizational Communication

The Organizational Communication area will provide students with the knowledge and skills necessary for successful communication within organizations in both the public and private sectors. This major emphasizes the close relationship between effective communication and the successful operation of all organizations. Course content focuses on organization and communication theory, the development of personal and group oral and written communication skills, and on instilling the sense of social and ethical responsibility necessary for all members of an organization.

Students are encouraged to prepare themselves for a broad range of employment possibilities, which may include internal and external written communication, training, instructional development, special events planning and coordination, sales, marketing, speech writing, and promotions. Recent graduates hold positions with Xerox Corporation, The U.S. Shoe Corporation, General Foods, Commonwealth Petroleum, The American Heart Association, Fifth Third Bank, and Great American Insurance.

- COMM 260 ORGANIZATIONAL COMMUNICATION (3)** 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. Prerequisite: COMM 107 or permission of instructor.
- COMM 264 PERSUASION (3)** The focus of this course is on teaching consumers of information how to analyze, respond to, and generate persuasive messages. A variety of organizational contexts will be examined, including politics, business, religion, and advertising.
- COMM 360 ORGANIZATIONAL COMMUNICATION THEORY (3)** This course examines the communication skills necessary for specific organizational activities to be realized such as motivation, productivity and leadership, and in turn how the norms of the organization impact its communication.
- COMM 363 WRITTEN COMMUNICATION IN ORGANIZATIONS (3)** Concepts which guide the writing of communication professionals and practical application of those concepts. Standards of correctness are expected.
- COMM 368 INTERNSHIP IN ORGANIZATIONAL COMMUNICATION I (3)** Practical experience in an organizational setting. Consult with your advisor for qualifications and requirements.
- COMM 460 ADVANCED ORGANIZATIONAL COMMUNICATION (3)** Critical case study analysis of communication processes and practices. Along with the analyses, students will be expected to construct proposals for interventions.
- COMM 462 PRINCIPLES AND PRACTICES OF INTERVIEWING (3)** This course teaches students the concepts behind and the skills to conduct the different kinds of interviews necessary for success in the organization, including employment, research and appraisal interviews.

- COMM 467 **CURRENT ISSUES IN ORGANIZATIONAL COMMUNICATION (3)** An in-depth look at the most important communication problems and challenges facing organizations today.
- COMM 468 **INTERNSHIP IN ORGANIZATIONAL COMMUNICATION II (3)** Practical experience in an organizational setting. Consult with your advisor for qualifications and requirements.
- COMM 469 **SENIOR SEMINAR (3)** 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.

Communication Arts: Advertising

The goal of the advertising area 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, copywriting, media planning, research, and management. Students work closely with the faculty and their academic advisors in planning their course of study and career options.

- COMM 230 **INTRODUCTION TO ADVERTISING (3)** 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.
- COMM 231 **ADVERTISING PRODUCTION TECHNIQUES (3)** The objective of this course is to familiarize the advertising major with the fundamentals of producing advertisements for print and the electronic media.
- COMM 232 **DESKTOP PUBLISHING (3)** Teaches the student the skills required to produce advertising layouts, newsletters, and presentation materials using computers and desktop publishing software programs in Xavier University's computer laboratories.
- COMM 330 **CREATIVE CONCEPTS IN ADVERTISING (3)** This course analyzes the creative, research, and business principles involved in the preparation of the advertising message. It focuses on the copywriting and design process, and the development of the advertising campaign. Prerequisite: COMM 230.
- COMM 332 **MEDIA PLANNING (3)** A study of the characteristics of the various communication media and the methodologies employed in measuring their relative efficiencies in delivering the advertising messages to the target audiences. Prerequisite: COMM 230.
- COMM 334 **ADVERTISING IN MODERN SOCIETY (3)** This course examines the complex role that advertising plays in our society, from its economic importance to its social effects.
- COMM 338 **INTERNSHIP IN ADVERTISING I (3)** Practical experience in a real world situation.
- COMM 430 **ADVERTISING CAMPAIGNS (3)** Case histories of recent brand advertising campaigns conducted by U.S. companies and practical experience in developing campaigns for real brands using real background data.
- COMM 432 **DIRECT RESPONSE ADVERTISING (3)** Examines the structure and organization of direct response advertising. Focus will be on the creative methods and research procedures for preparing and evaluating direct advertising campaigns.
- COMM 438 **INTERNSHIP IN ADVERTISING II (3)**
- COMM 439 **SENIOR SEMINAR: ADVERTISING PRACTICE AND MANAGEMENT (3)** This course examines how advertising is applied and managed in order to achieve an organization's marketing objectives. Utilizes materials taught in other advertising courses. Prerequisites: COMM 330, COMM 332.

THE DEPARTMENT OF ENGLISH

The Department of English offers the Associate of Arts, the Bachelor 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.

THE BACHELOR OF ARTS IN ENGLISH

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 (see pp. 60-61): 64 hours, including

- Literature requirement included within the major.

Major Requirements

- 36 hours of English courses: ENGL 115, 205-Honors, 221, 222, 499, seven upper-level electives (300-498) including one each in Shakespeare, British literature, American literature, and language or writing.
- A 2.000 cumulative average must be attained in the 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.

Requirements for the English Minor

- 18 hours of English courses: ENGL 115, 205-Honors, 221, three upper-level electives (300-498) including one each in British literature and American literature.
- A 2.000 cumulative average must be attained in the English courses.

Requirements for the Associate Degree in English

Core Curriculum Requirements (see p. 62): 28 hours

Concentration Requirements

- 15 hours of English courses: ENGL 115, 221, three upper-level electives (300-498) including one each in British literature and American literature.
- A 2.000 cumulative average must be attained in the English courses.

THE MASTER OF ARTS IN ENGLISH

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 student chooses one of two programs:

Plan A: 30 semester hours of course work, 18 of which must be in 500 or 600 level courses. Plan A is recommended for most students.

Plan B: 24 semester hours of course work, 15 of which must be in 500 or 600 level courses, plus a written thesis, which, when approved, earns 6 hours of credit. This thesis must be written under the guidance of a member of the English Department and must demonstrate the student's ability to do research and original critical analysis.

The following courses are required by both plans:

- ENGL 512 - Literary Theory
- ENGL 525 - Shakespeare

- A 300 or 500 level English course on language if the student has not taken one as an undergraduate
- A 500 or 600 level course on women or minority authors
- One graduate seminar
- The remaining courses are English electives, which must be approved by the department chair.

During study for the M.A., students must demonstrate reading knowledge of a foreign language. At the close of their studies, they must pass a written comprehensive examination based on fifteen works of literature and literary theory. Eleven of these works are chosen by the department every two years; the remaining four are chosen by the individual student. The comprehensive is given in December and July.

Students seeking admission to the graduate program in English are expected to have a 3.0 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.

Courses are offered in the evening for the convenience of part-time students.

English (ENGL)

Staff: DR. GETZ, chair; DR. CLINE-BAILEY, FR. CONNOLLY, DR. FINKELSTEIN, DR. FONTANA, MR. GLENN, MS. IKEGAMI, DR. SOUSA, DR. THOMAS, MR. WESSLING, DR. WILLIAMS, DR. WINKELMANN

Assisted by: MS. ABBOUSHI, MR. CAHILL, SR. FLEMING, MS. FLOTTMAN, MR. KORAL, MR. MARKIEWICZ, MR. MCKAY, DR. PADDOCK, MS. RUSSELL, MS. TIMBERLAKE, MS. WENNER

Lower Division Courses

- ENGL 100 **BASIC ENGLISH** (3).
 ENGL 101 **ENGLISH COMPOSITION** (3) Instruction in grammar, usage, diction, organization, and style. Frequent short writing assignments are required.
 ENGL 115 **RHETORIC** (3) Intensive theoretical and practical study of discourse. For students who have acquired basic writing skills. Required of English majors.

The following lower division courses are introductory literature courses for non-majors.

Prerequisite: ENGL 101 or ENGL 115.

- ENGL 121 **STUDIES IN POETRY** (3).
 ENGL 122 **STUDIES IN DRAMA** (3).
 ENGL 124 **STUDIES IN FICTION** (3).
 ENGL 127 **INTRODUCTION TO LITERATURE** (3).
 ENGL 128 **STUDIES IN BLACK LITERATURE** (3).
 ENGL 129 **STUDIES IN RACE AND GENDER IN LITERATURE** (3) Introductory course for Minorities' and Women's Studies Minor.
 ENGL 130 **STUDIES IN EPIC** (3) (CLAS 130).
 ENGL 132 **STUDIES IN WOMEN'S LITERATURE** (3).
 ENGL 142 **CLASSICAL TRAGEDY** (3) (CLAS 142).
 ENGL 146 **CLASSICAL COMEDY AND SATIRE** (3) (CLAS 146).

Sophomore Courses

Prerequisite: ENGL 101 or ENGL 115

- ENGL 205 **LITERATURE AND THE MORAL IMAGINATION** (3) Personal and social ethical issues in literature. Honors section required of English majors.
 ENGL 221 **POETRY** (3) An intensive critical and historical study of British and American poetry. Required of English majors.
 ENGL 222 **RHETORIC II: THEORY & TEXT** (3) Study of contemporary literary theory and its application to selected texts. Required of English majors.

Upper Division Courses

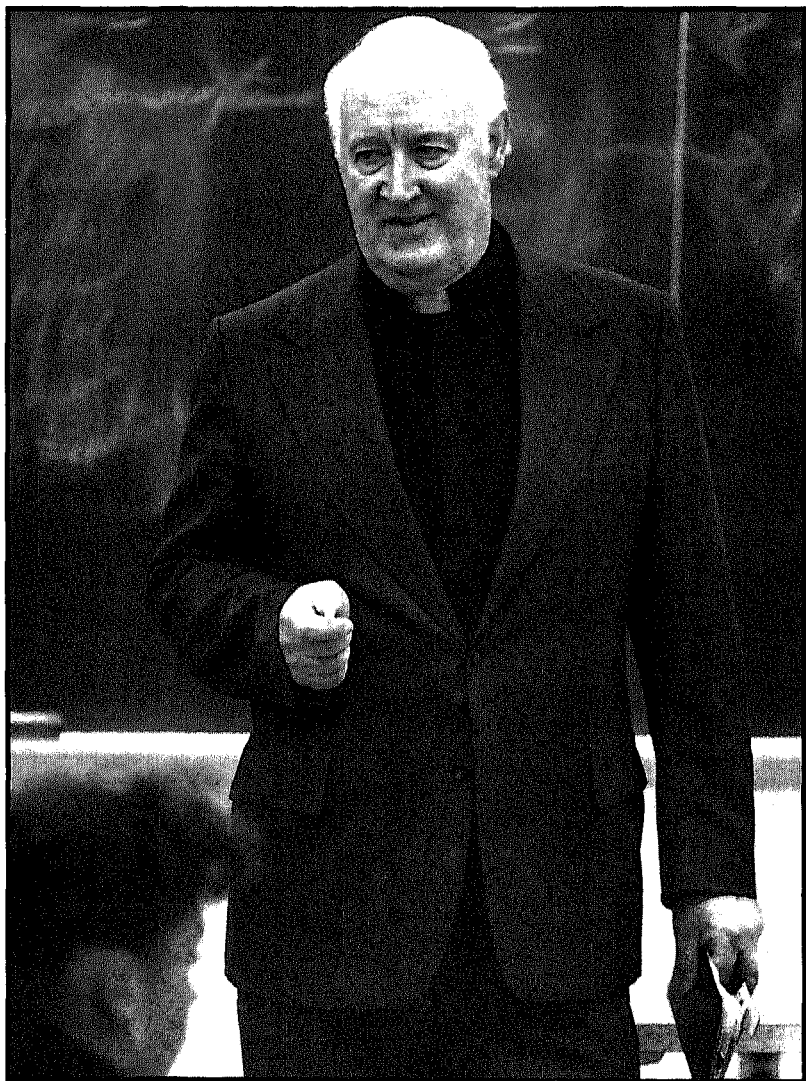
- ENGL 300 **ADVANCED COMPOSITION (3)** (EDCL 200) Current theories on the teaching of writing in elementary school. Instruction and practice in expository writing.
- ENGL 304 **TEACHING AND RESEARCH IN WRITING (3)** Current theories on the teaching of writing in secondary school. Instruction and practice in expository writing.
- ENGL 308 **WRITING INTERNSHIP (3)** Available only by arrangement with department chair.
- ENGL 309 **CREATIVE WRITING: POETRY (3)** Instruction and intensive practice in writing poetry.
- ENGL 310 **CREATIVE WRITING: FICTION (3)** Instruction and intensive practice in writing fiction.
- ENGL 311 **POPULAR WRITING (3)** Critical study of popular cultural forms and instruction in writing them.
- ENGL 314 **WRITING JOURNALS AND AUTOBIOGRAPHY (3)** Critical study of these forms and instruction in writing them.
- ENGL 320 **TOPICS IN LINGUISTICS (3)** 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).
- ENGL 321 **HISTORY OF THE ENGLISH LANGUAGE (3)** The socio-historical story of English. Origins, variation, change, legitimization, maintenance, and spread of a world language.
- ENGL 322 **ETHNOLINGUISTICS (3)** A socio-anthropological study of language, culture, and communication. Conversational and discourse analysis. No linguistics background necessary.
- ENGL 341 **WORLD FICTION (3)** Study of fiction from countries other than England and the United States. Includes non-Western writers.
- ENGL 344 **MAJOR BLACK WRITERS OF THE WORLD (3)** Study of black authors from around the world with emphasis on African, Caribbean, and British Commonwealth writers.
- ENGL 345 **THE COMIC SPIRIT IN WORLD DRAMA (3)** Dramatic comedy from various world literatures. Reading in theory of comedy.
- ENGL 349 **MYTH IN WORLD LITERATURE (3)** An examination of myth and archetype in literature from ancient times to the twentieth century. Includes non-Western writers.
- ENGL 350 **MODERN JEWISH FICTION (3)** The narrative tradition of European and American Jewish writers from the late nineteenth century to the present.
- ENGL 358 **BLACK AMERICA SINCE 1865 (3)** (HIST 325) Examination of historical and literary texts by black Americans from 1865 through the mid-1960s.
- ENGL 360 **WOMEN AUTHORS (3)** Study of women authors of selected genres and periods..
- ENGL 361 **16TH AND 17TH CENTURY WOMEN'S LITERACY (3)** A study of the literacy and literature of ordinary and celebrated women in England and America.
- ENGL 371 **LITERATURE OF WAR AND PEACE (3)** The representation and interpretation of war and peace primarily in European and American literature.
- ENGL 376 **MODERN ANGLO-IRISH LITERATURE (3)** Poetry, drama, and fiction by a variety of authors including Yeats, O'Casey, and Joyce.
- ENGL 386 **LITERARY MONSTERS (3)** The monster as symbolic figure from Dante to the twentieth century.
- ENGL 396 **SEMINAR: LITERARY ILLNESS - HONORS (3)** An exploration of illness as metaphor in literature from various cultures and periods.
- ENGL 405 **HISTORY OF LITERARY CRITICISM (3)** From Aristotle through the modern period. Recommended for students planning to go to graduate school in English.
- ENGL 410 **CHAUCER: THE CANTERBURY TALES (3)**
- ENGL 415 **EARLY ENGLISH LITERATURE (3)** Critical and cultural study of classic texts from *Beowulf* through Spenser.

- ENGL 425 **SHAKESPEARE (3)** Major plays in the genres of tragedy, comedy, tragi-comedy, and history.
- ENGL 429 **RENAISSANCE DRAMA (3)** Non-Shakespearean drama of the Elizabethan and Jacobean periods: Marlowe, Jonson, Webster, and others.
- ENGL 430 **SEVENTEENTH-CENTURY LITERATURE (3)** The poetry and prose of the 17th century from Donne to Milton.
- ENGL 441 **THE AGE OF EXPERIENCE: 1660-1798 (3)** British poetry, drama, and fiction including works by Dryden, Behn, Pope, Swift, Defoe, Sterne, and Wollstonecraft.
- ENGL 450 **BRITISH ROMANTIC LITERATURE (3)** Poetry and selected non-fiction prose from 1780 to 1830.
- ENGL 462 **VICTORIAN WRITING (3)** British poetry from Tennyson to Hardy; some attention to representative Victorian novels.
- ENGL 470 **MODERN BRITISH LITERATURE (3)** Twentieth-century British poetry, fiction, and drama. Student should have some background in the analysis of poetry.
- ENGL 472 **MODERN DRAMA (3)** British, American, and European drama from Ibsen to the present.
- ENGL 480 **THE AMERICAN RENAISSANCE: 1830-1865 (3)** Textual and cultural study of Transcendentalism, the American romance, and other writing of this period.
- ENGL 481 **AMERICAN REALISM: 1865-1915 (3)** Textual and cultural study of various genres from the Civil War to the eve of Modernism.
- ENGL 482 **MODERN AMERICAN FICTION (3)** Textual and cultural study of American short stories and novels from 1915 to 1945.
- ENGL 483 **MODERN AMERICAN POETRY (3)** Textual and cultural study of poets such as Pound, Eliot, Williams, and Stevens.
- ENGL 484 **AFRO-AMERICAN LITERATURE (3)** Textual and cultural study of Afro-American writing from the 18th century to the present.
- ENGL 485 **AMERICAN GOTHIC LITERATURE (3)** Texts of terror and horror in American literature of the 19th and 20th centuries.
- ENGL 486 **CONTEMPORARY AMERICAN FICTION (3).**
- ENGL 490 **SEMINAR: CONTEMPORARY AMERICAN POETRY - HONORS (3)** Intensive study of selected contemporary poets.
- ENGL 499 **SENIOR SEMINAR (3)** Topics vary. Required of senior English majors.

Graduate Courses

- ENGL 512 **LITERARY THEORY (3)** Current theory about the nature of literature and interpretation.
- ENGL 520 **TOPICS IN LINGUISTICS (3)** 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).
- ENGL 521 **HISTORY OF THE ENGLISH LANGUAGE (3)** The socio-historical story of English. Origins, variation, change, legitimization, maintenance, and spread of a world language.
- ENGL 525 **SHAKESPEARE (3)** Study of selected plays and themes..
- ENGL 560 **STUDIES IN WOMEN'S LITERATURE (3).**
- ENGL 601 **LANGUAGE OF THE HUMANITIES (3)** Critical study of topic-, audience-, and author-directed discourse. Intensive practice in writing. (HUMN 511).
- ENGL 610 **CHAUCER: MAJOR WORKS (3)** Study of such texts as *The Canterbury Tales* and *Troilus and Criseyde*.
- ENGL 690 **SEMINAR: VICTORIAN AUTHORS (3)** Study of selected topics and authors from this period.
- ENGL 691 **SEMINAR: VICTORIAN POETRY AND ART (3)** Study of the interaction between poetry and the visual arts during this period.
- ENGL 692 **SEMINAR IN LITERARY GENRE: THE DRAMATIC MONOLOGUE (3)** Analysis of nineteenth and twentieth-century examples of this genre in poetry and fiction.

- ENGL 693 **SEMINAR: MODERN JEWISH FICTION** (3) Study of selected European and American Jewish writers of fiction from the late 19th century to the present.
- ENGL 694 **SEMINAR: CONTEMPORARY AMERICAN FICTION** (3) Study of selected American novels and short stories of the last few decades.
- ENGL 695 **SEMINAR: CONTEMPORARY AMERICAN POETRY** (3) Study of selected American poets and poetic movements from the past few decades.
- ENGL 697 **SEMINAR: LITERARY ILLNESS** (3) Illness as metaphor in literature from various cultures and periods.
- ENGL 700 **MASTER'S THESIS** (6).



THE DEPARTMENT OF HISTORY

The Department of History offers the Associate of Arts, the Bachelor of Arts and the Master of Arts in History degrees. For information on the Associate degree, contact the Center for Adult and Part-time Students.

THE BACHELOR OF ARTS IN HISTORY

The history major provides an excellent foundation for a wide variety of career choices. The study of history encourages one to examine closely the institutions, ideas, and systems which shape our world, and through acquaintance with civilizations different from our own in time or culture, it provides valuable comparative frames of reference.

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, therefore, prepares students to be successful in a wide variety of careers and professions. The history major is available with the Business Minor for those who wish it.

Requirements for the History Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- History requirement included within the major.

Major Requirements

- 36 hours of History courses: HIST 133, 134, 143, 144, five 3-hour elective courses (200-399), three 3-hour seminars (400-479).
- A 2.000 cumulative average must be attained in the History courses.

Requirements for the History Minor

- 18 hours of History courses: three courses drawn from HIST 133, 134, 143, and 144, two 3-hour electives from 200-399, and a 3-hour seminar from 400-479.
- A 2.000 cumulative average must be attained in the History courses.

Requirements for the Associate Degree in History

Core Curriculum Requirements (see p. 62): 28 hours, including

- History requirement included within the concentration.

Concentration Requirements:

- 15 hours of History courses: HIST 134 or 144 continuation of core course, and four electives chosen from HIST 200-399.
- A 2.000 cumulative average must be attained in the History courses.

THE MASTER OF ARTS IN HISTORY

The Master of Arts in History at Xavier is offered with variations to meet the needs of two types of students. The Research MA, with greater emphasis on historiography and research techniques, provides preparation for the student who plans to work toward the PhD. The Non-research MA is designed for those such as secondary or elementary school teachers who desire a broader range of course work. However, the Non-research program will ordinarily not prevent the student from pursuing further graduate studies in history.

Applicants are expected to have a substantial undergraduate background in the study of history, though it is not necessary to have completed a major in the field. The Department Chair may make successful completion of certain undergraduate courses a prerequisite for admission to the program.

Masters Degree Requirements:

1. Each candidate must, early in the program, designate with the approval of the Chair both an area of concentration (3 to 6 courses) and a minor field (2 to 3 courses). The faculty who teach those areas become the MA candidate's examiners.
2. Candidates must complete at least 60% of their course work in courses numbered 500 or above. The remainder of the course work will be taken in advanced undergraduate level courses.
3. After completing the required course work (or during the final semester of that work) the candidate must take a written comprehensive examination covering course work in the area of concentration and the minor field. To pass the comprehensive examination the candidate must earn a grade of B or better from each examiner in both the area of concentration and the minor field. Candidates may take the comprehensive examination twice.
4. The Research MA is pursued subject to departmental approval after the candidate has successfully completed at least two courses at the 500-699 level. The candidate must successfully complete twenty-four semester hours of course work (fifteen in courses numbered 500 or above), pass the comprehensive examination, and complete a research thesis for six hours of credit which must be successfully defended before the departmental examiners.
5. The Non-research MA requires that the candidate successfully complete thirty semester hours of course work (eighteen in courses numbered 500 or above), pass the comprehensive examination, and submit to the Department Chair a major paper, accepted in a research seminar, which gives evidence of scholarly work.

History (HIST)

Staff: DR. GRUBER, *chair*; DR. FAIRFIELD, DR. FORTIN, FR. GRAHAM, DR. KORROS, FR. LAROCCA, DR. SIMON, MS. THOMPSON, MR. WILSON

Assisted by: DR. ANDERSON, MR. BALSUS, MR. DANA, MR. UHRIG, MR. WEISBROD

Lower Division Courses

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|----------|--|
| HIST 105 | WORLD CIVILIZATIONS I (3) A survey of pre-1500 world societies with an emphasis on non-western cultures. |
| HIST 106 | WORLD CIVILIZATIONS II (3) A survey of world societies since 1500 with an emphasis on non-western cultures. Prerequisite: HIST 105. |
| HIST 133 | WESTERN CIVILIZATION I (3) A topical survey of Western Civilization from Greece to the Reformation emphasizing aspects of political, social and cultural history. |
| HIST 134 | WESTERN CIVILIZATION II (3) A topical survey of European history from the 16th century to the 20th century emphasizing aspects of political, social, and economic and intellectual history. Prerequisite: HIST 133. |
| HIST 143 | UNITED STATES TO 1865 I (3) 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. |
| HIST 144 | UNITED STATES FROM 1865 II (3) 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. Prerequisite: HIST 143. |
| HIST 154 | WAR AND PEACE IN THE MODERN WORLD (3) Survey of Europe and American since 18th century with special emphasis on political, cultural, economic and strategic issues related to war and peace. Prerequisite: 105, 133, or 143. |

Upper Division Courses

- HIST 245 **CINCINNATI HISTORY AND POLITICS** (3) A political history of Cincinnati with an analysis of contemporary urban politics.
- HIST 301 **COLONIAL AMERICA** (3) Examines the establishment and evolution of Anglo-American colonial societies to 1754, emphasizing their social, economic, cultural and political development.
- HIST 302 **FORMATIVE YEARS OF THE REPUBLIC, 1763-1789** (3) Thirteen colonies become a national state. Emphasis on the causes of the American Revolution and the writing of the Constitution of 1789.
- HIST 303 **THE NEW NATION, 1785-1825** (3) The U.S. Constitution and the ideas and issues which conceived and influenced the shaping of the new nation.
- HIST 304 **THE AGE OF JACKSON** (3) Probes the origins of the market revolution in America and its impact upon social, cultural and political institutions.
- HIST 306 **CIVIL WAR AND RECONSTRUCTION** (3) Examines the causes and consequences as well as the experience of civil war, focusing on 1848 to 1877.
- HIST 309 **AGE OF BIG BUSINESS: 1885-1920** (3) A survey of the period emphasizing political, social, and economic topics.
- HIST 313 **UNITED STATES SINCE 1932** (3) 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.
- HIST 317 **RELIGION IN AMERICAN LIFE** (3) 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.
- HIST 320 **U.S. ECONOMIC HISTORY** (3) 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.
- HIST 325 **BLACK AMERICA SINCE 1865** (3) Beginning with a discussion of the transition from slavery to freedom after the Civil War, this course examines the urbanization of black America, the development of black institutions and political power, the civil rights and black power movements, and the role of race in the contemporary world.
- HIST 327 **THE HISPANIC MINORITY IN U.S. HISTORY** (3) Covers the story of Hispanics in the U.S.A. from the days of the "Spanish Borderlands" through Guadalupe/Hidalgo (1848) to the Cubans, Puerto Ricans and Chicanos of the 1990's.
- HIST 329 **URBAN AMERICA** (3) 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.
- HIST 332 **BEER, BASEBALL AND POP CULTURE** (3) Examines popular culture in industrializing America as a means of exploring social change and cultural conflict. The course links such topics as temperance and prohibition, the rise of sports, and the emergence of mass culture as phenomena which both reflected and shaped the distribution and uses of political power.
- HIST 334 **SOCIAL UNREST IN RECENT AMERICA** (3) Social unrest in the United States from the 1960s to the present.
- HIST 340 **HISTORY OF MEXICO** (3) An overview of the history of Mexico from pre-historic times to the present – stressing the years from Independence to the 1990's.
- HIST 341 **ARGENTINA, BRAZIL, CHILE, URUGUARY** (3) Covers the history of the Southern Cone countries – with an emphasis on the late 19th and 20th centuries.
- HIST 342 **THE CARIBBEAN AND CENTRAL AMERICA** (3) Provides an historical overview from the days of the Caribes and Arawacs and Mayas – through the age of the "Banana Republics" to the present.

- HIST 343 **GRAN COLOMBIA** (3) Traces the 19th and 20th century history of those countries that remain of the great dream of South American unity of Simon Bolivar – Colombia, Venezuela, Ecuador.
- HIST 344 **CONTEMPORARY LATIN AMERICA** (3) Emphasizes late 19th and 20th century realities in Latin American history – Dependency Economics, dictatorships, debts, the role of the U.S.A.
- HIST 346 **JAPAN SINCE 1868** (3) Includes the fall of the Tokugawas, the Meiji period, and the Post World War II boom era.
- HIST 347 **MODERN CHINA** (3) Includes the decline of the Manchus, the nationalist period, and the Communist era.
- HIST 358 **RENAISSANCE EUROPE** (3) Examination of social, economic, political and intellectual issues in Europe (1300-1555): family structure, the transition from feudalism to capitalism, republican and courtly ideals, the rise of civic humanism in Italy and the dispersion of humanism north of the Alps.
- HIST 359 **REFORMATION EUROPE** (3) A study of the interaction between religious, social and political reforms with an emphasis on the ideas of Luther, Zwinglie, Calvin, and the peasants.
- HIST 360 **EUROPE 1648-1815** (3) 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.
- HIST 366 **TUDOR ENGLAND** (3) A survey of the political, intellectual, and social history of England from 1485 - 1603.
- HIST 367 **STUART ENGLAND** (3) A survey of the political, intellectual, social and economic history of England from 1608 - 1688.
- HIST 368 **THE ENGLISH REFORMATION** (3) 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.
- HIST 372 **VICTORIAN AND EDWARDIAN ENGLAND** (3) Survey of English history 1830s – World War One.
- HIST 373 **ENGLAND SINCE 1914** (3) Survey of English history and England's role in world affairs with major emphasis on 1914-1945.
- HIST 375 **MODERN IRELAND** (3) Survey of Irish history with major emphasis on the period after 1840; includes the history of Northern Ireland.
- HIST 377 **MODERN FRANCE** (3) Survey of French history and culture since 1789.
- HIST 378 **FRANCE: REVOLUTION** (3) French history, 1789 - 1815.
- HIST 379 **FRANCE: THE THIRD REPUBLIC** (3) French history, 1870 - 1945.
- HIST 383 **NAZI GERMANY** (3) German history, 1920s - 1945.
- HIST 386 **RUSSIA 1801 - 1917** (3) A general survey of the late imperial period from the reign of Alexander I to the 1917 Revolution.
- HIST 387 **USSR SINCE 1917** (3) A survey of the Soviet period emphasizing the 1917 Revolution and the Stalin era to better understand contemporary events.
- HIST 389 **WOMEN IN EUROPEAN HISTORY** (3) A survey from about 1700 to the present.
- HIST 392 **TERRORISM IN THE WESTERN WORLD** (3) Historical analysis of terrorism, especially in Europe and the United States, with emphasis on the period from the mid-19th century to the present.
- HIST 401 **SEMINAR: COLONIAL AMERICA** (3) A detailed examination of a single topic in colonial American history, such as the encounter between Europeans and Indians, conflict in early America, or colonial religion.
- HIST 402 **SEMINAR: AMERICAN REVOLUTION** (3) A study of the causes and issues which contributed to the coming and character of the American Revolution.

- HIST 410 **SEMINAR: URBAN AMERICA (3)** Examines the impact of urbanization on American thought, culture and society between the Civil War and the Great Depression.
- HIST 411 **SEMINAR: RELIGION IN AMERICAN LIFE (3)** Examines the relationship between religion and culture in a specific era of American life (e.g., colonial America, Jacksonian America, the Gilded Age).
- HIST 412 **SEMINAR: SHAPING OF AMERICAN CHARACTER (3)** By focusing on cultural, social, and intellectual matters, this course studies various interpretations of American character.
- HIST 428 **SEMINAR: LATIN AMERICA (3)** Directed research on selected topics in Latin American History—Seminar approach (emphasis on computer research techniques).
- HIST 431 **SEMINAR: MEDIEVAL SEX AND THE FAMILY (3)** An examination of the elements leading to the development of a Christian theology of the family and of Christian sexual morality and how that morality changed within the social, intellectual, and political milieu of the middle ages.
- HIST 441 **SEMINAR: TUDOR ENGLAND (3)** An examination of selected topics in English history 1485 - 1603.
- HIST 455 **SEMINAR: POLITICS AND VIOLENCE: NORTH IRELAND (3)** Reading and research, 20th century Ireland.
- HIST 465 **SEMINAR: MODERN RUSSIA (3)** Selected topics in the history of late Imperial Russia.
- HIST 466 **SEMINAR: THE STALIN ERA (3)** Selected topics in the era of Josef Stalin from the pre-revolution to his death.
- HIST 470 **SEMINAR: WAR, CULTURE AND SOCIETY: 20TH CENTURY (3)** Reading and research in the non-military aspects of war.

Graduate Courses

- HIST 601 **SEMINAR: COLONIAL AMERICA (3)** A detailed study of a particular topic in colonial American history, incorporating common readings and individual projects. Prerequisite: HIST 301 or its equivalent, or permission of instructor.
- HIST 602 **SEMINAR: THE AMERICAN REVOLUTION (3)** A study of both the causes which contributed to the coming of the American Revolution and the historiography on the Revolution.
- HIST 603 **SEMINAR: THE EARLY NATIONAL PERIOD (3)** A study of both the leading issues in the formative years of the Republic and the historiography on the period.
- HIST 604 **SEMINAR: AGE OF JACKSON (3)** A detailed study of a particular topic in Jacksonian America (1812-1848), incorporating common readings and individual projects. Prerequisite: HIST 304 or its equivalent, or permission of instructor.
- HIST 666 **SEMINAR: TUDOR ENGLAND (3)** An examination of selected topics in English history 1485 - 1603.
- HIST 667 **SEMINAR: TUDOR ENGLAND (3)** An examination of selected topics in English history 1603 - 1668.
- HIST 670 **SEMINAR: MODERN ENGLAND AND IRELAND (3)** Reading and research on 19th and 20th century topics.
- HIST 672 **SEMINAR: MODERN BRITAIN (3)** Reading and research on 19th and 20th century topics.
- HIST 675 **SEMINAR: MODERN IRELAND (3)** Reading and research on 19th and 20th century topics.
- HIST 690 **SEMINAR: WAR, CULTURE AND SOCIETY SINCE 1850 (3)** Reading and research on non-military topics, European and American.

THE DEPARTMENT OF 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.

THE BACHELOR OF SCIENCE IN MATHEMATICS

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 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 (see pp. 60-61): 64 hours, including

- Sciences: at least 9 hours in two sciences selected from BIOL 160-161, BIOL 162-163, CHEM 160-161, CHEM 162-163, PHYS 108-105, PHYS 110-107.
- Foreign Language: French or German recommended.
- Mathematics requirement included within the major.

Major Requirements

- 45 hours of Mathematics and Computer Science courses: MATH 170, 171, 180, 210, 220, 230, 240, 340, 370, four elective courses (200-397), CSCI 170. The electives should be chosen with the help of the student's advisor.
- A 2.000 cumulative average must be attained in the Mathematics and Computer Science courses.
- Successful performance on the Graduate Record Examination in Mathematics.

Any student wishing to major in mathematics should consult a member of the mathematics staff before registration.

Requirements for the Mathematics Minor

- 18 hours of Mathematics courses: MATH 170, 171, 210, and at least 7 hours of electives (200-397).
- A 2.000 cumulative average must be attained in the Mathematics courses.

THE BACHELOR OF SCIENCE IN COMPUTER SCIENCE

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 programing and application in such areas as accounting, economics, 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.

Requirements for the Computer Science Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Sciences: PHYS 108, 110, 242, 243, and a life science lecture-laboratory course.
- Mathematics requirement included within the major.

Major Requirements

- 36 hours of Computer Science courses: CSCI 170, 171, 213, 244, 245, 255, 325, 335, 355, 390, three elective courses (200-397).
- 14 hours of Mathematics courses: MATH 170, 171, 180, and 156.
- A 2.000 cumulative average must be attained in the Computer Science courses.
- Fulfill the current senior comprehensive requirements.

Some students elect to complete a second major in mathematics or some other discipline; some others choose the business major or a minor in a related field. Any student wishing to major in Computer Science should consult a member of the Computer Science staff before registration.

Requirements for the Computer Science Minor

- 18 hours of Computer Science (or related) courses: CSCI 170, 171, 213, 255, 325, an approved 3-hour CSCI or CSCI-related elective course.
- A 2.000 cumulative average must be attained in the Computer Science courses.

Mathematics and Computer Science

Staff: DR. WALKER, *chair*; DR. BERRY, MR. BRUGGEMAN, DR. COLLINS, DR. DANIEL, DR. DELANEY, DR. FLASPOHLER, DR. LARKIN, DR. OTERO, DR. PULSKAMP, DR. SNODGRASS, MR. TRUNNELL, MR. WAGNER, S.J.

Academic Staff: MS. HOLLAND

Assisted by: MR. BUTZ, MS. DORAN, MR. ENDRES, FR. FITZSIMMONS, BR. LOHREY, FR. ISENECKER, MS. RING, MR. WILLIAMS

Mathematics (MATH)

Lower Division Courses

The Xavier University admission requirement of two units of high school mathematics is assumed for all mathematics courses. Students deficient in arithmetic and basic algebra may require remedial work before taking any college mathematics courses.

Two courses of similar content cannot be elected to fulfill a requirement in mathematics.

- MATH 105 FUNDAMENTALS OF MATHEMATICS** (3) Rational numbers, percents. Polynomials, rational expressions, exponents. Linear and quadratic equations in one and two variables. Graphing. This course is not applicable to the core requirement in mathematics.
- MATH 110 PRINCIPLES OF CONTEMPORARY MATHEMATICS** (3) Patterns and problem solving in counting and calculating with integers. Operations with fractions, rationals, and irrationals. Probability and statistics.
- MATH 111 PRINCIPLES OF GEOMETRY** (3) Geometric figures and reasoning. Measurement and geometry with coordinates. Equations and inequalities, graphs of linear and non-linear relations. Motions in geometry.
- MATH 113 MATHEMATICS OF FINANCE** (3) Simple and compound interest, discounting, annuities, amortization and sinking funds, stocks, bonds, insurance.
- MATH 115 TOPICS IN APPLIED MATHEMATICS** (3) Topics in the application of elementary mathematics to real world problems: management science, voting schemes, theory of games, population growth, other models.
- MATH 116 ELEMENTARY STATISTICS** (3) Description of sample data. Simple probability, theoretical distributions, normal and binomial estimation. Tests of hypotheses, correlation, regression.

- MATH 120 **PRECALCULUS** (3) Fundamentals of algebra, inequalities, absolute value. Identities. Solutions of equations and graphs for polynomial, rational, algebraic, exponential and logarithmic functions. Requires graphics calculator.
- MATH 150 **ELEMENTS OF CALCULUS I** (3) Limits, the derivative, differentiation techniques, curve-sketching, maximum/minimum problems, elementary integration, exponential and logarithmic functions. Requires graphics calculator. Prerequisite: MATH 120 or equivalent.
- MATH 151 **ELEMENTS OF CALCULUS II** (3) Techniques of integration, exponential growth and decay, functions of several variables, partial derivatives, optimization problems, multiple integrals. Prerequisite: MATH 150 or equivalent.
- MATH 156 **GENERAL STATISTICS** (3) Descriptive statistics, probability distributions, confidence intervals and hypothesis testing, regression and correlation, Chi-square tests, analysis of variance, non-parametric tests. Prerequisite: MATH 150 or equivalent.
- MATH 160 **ALGEBRA AND TRIGONOMETRY REVIEW** (1)
- MATH 165 **TRIGONOMETRY AND ALGEBRA** (3) The circular functions: sine, cosine, tangent. Other transcendental functions. Linear, polynomial and rational functions. Inequalities, absolute values, identities and solving equations.
- MATH 170 **CALCULUS I** (4) The derivative, techniques and applications. Limits and continuity. The integral with applications. Numerical methods. Prerequisite: MATH 165 or equivalent.
- MATH 171 **CALCULUS II** (4) Transcendental functions. Techniques of integration. Elementary differential equations. Conics. Polar coordinates. Sequences and series. Prerequisite: MATH 170.
- MATH 180 **ELEMENTS OF DISCRETE MATHEMATICS** (3) Logic, set theory, relations and functions, mathematical induction, counting principles, recurrence relations, number systems. Prerequisite: CSCI 170.

Upper Division Courses

- MATH 200 **MATHEMATICAL LOGIC** (3) 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.
- MATH 210 **ELEMENTARY LINEAR ALGEBRA** (3) Geometry of 2- and 3-dimensional space. Systems of linear equations. Matrices and matrix arithmetic. Determinants, linear transformations, eigenvalues and eigenvectors, quadratic forms. Prerequisites: MATH 165 or equivalent, MATH 180.
- MATH 220 **CALCULUS III** (4) Vectors, lines and planes. Functions of several variables, partial derivatives and applications, gradient and directional derivative. Multiple integrals, line integrals, Green's Theorem. Prerequisites: MATH 171.
- MATH 230 **DIFFERENTIAL EQUATIONS** (3) Ordinary differential equations: first order, second and higher order with constant coefficients. Numerical methods. Series solutions. Laplace transforms. Applications. Prerequisite: MATH 220.
- MATH 240 **LINEAR ALGEBRA** (3) Vector spaces, bases, linear transformations, change of basis. Eigenvalues and eigenvectors. Prerequisite: MATH 210.

Enrollment in the courses numbered 300 or above require completion of MATH 210, 220, and 230 or departmental approval.

- MATH 300 **GREAT MOMENTS IN MATHEMATICS** (3) 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.

- MATH 301 **SURVEY OF GEOMETRIES** (3) Axiom systems, models and finite geometries, convexity, transformations, Euclidean constructions, and the geometry of triangles and circles. Introduction to projective and non-Euclidean geometries.
- MATH 302 **THEORY OF NUMBERS** (3) Divisibility and primes, linear congruencies, quadratic residues and reciprocity. Diophantine equations, multiplicative functions, distribution of primes.
- MATH 310 **SURVEY OF STATISTICS** (3) Probability, central limit theorem, estimation, hypothesis testing, regression and correlation, non-parametric methods, goodness of fit, linear models.
- MATH 311 **MATHEMATICAL STATISTICS I** (3) Probability, probability distributions, characteristics of distributions, sampling, estimation.
- MATH 312 **MATHEMATICAL STATISTICS II** (3) Hypothesis testing, confidence intervals, regression, analysis of variance, nonparametric tests. Prerequisite: MATH 311.
- MATH 320 **INTRODUCTION TO OPERATIONS RESEARCH** (3) Deterministic and stochastic models, network analysis. Linear, non-linear and integer programming. Classical optimization, inventory theory, queueing, Markov analysis.
- MATH 321 **NUMERICAL ANALYSIS** (3) (CSCI 303) Measures of accuracy, sources of error, function evaluation and approximation, systems of linear equations, non-linear equations, numerical differentiation and integration, and solutions to differential equations. Prerequisites: CSCI 170.
- MATH 325 **MATHEMATICAL MODELING** (3) The synthesis, formulation and solution of various problems in applied mathematics and related fields.
- MATH 330 **GRAPH THEORY** (3) Graphs, subgraphs, trees, isomorphism, Eulerian and Hamiltonian paths, planarity, digraphs, connectivity, matrix representations, chromatic number, circularity.
- MATH 340 **ABSTRACT ALGEBRA** (3) Groups, isomorphism, homomorphism, normal subgroups, rings, ideals, fields. Prerequisite: MATH 240.
- MATH 341 **ABSTRACT ALGEBRA II** (3) A continuation of MATH 340. Topics may include Boolean algebra, lattice theory, combinatorial group theory, coding theory, Galois theory, commutative rings. Prerequisite: MATH 340.
- MATH 360 **ELEMENTARY TOPOLOGY** (3) Metric spaces, topological spaces, separation axioms, convergence, compactness, connectedness.
- MATH 370 **INTRODUCTION TO REAL ANALYSIS** (3) Real number system. Elementary topology of metric spaces, continuity, connectedness, completeness, compactness. Sequences and series of functions, pointwise and uniform convergence. Stieltjes integral.
- MATH 372 **APPLIED ANALYSIS I** (3) Vector analysis, special functions, orthogonal sets of functions. Sturm-Liouville theory. Fourier series, integrals, and transforms.
- MATH 373 **APPLIED ANALYSIS II** (3) Partial differential equations and boundary value problems, fast Fourier transform, numerical methods. Prerequisite: MATH 372.
- MATH 380 **COMPLEX VARIABLES** (3) Complex numbers, analytic functions, complex integration, series representation of analytic functions, the calculus of residues.
- MATH 397 **SPECIAL READING AND STUDY FOR ADVANCED STUDENTS** Credit by arrangement.

Computer Science (CSCI)

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 center.

See Information and Decision Sciences for additional computer courses.

Lower Division Courses

- CSCI 110 **COMPUTERS: AN OVERVIEW** (3) Basic introduction to computers without programming. Terminology, technology, history, communications, databases. Information gathering. Selected topics. Hands-on experience.
- CSCI 115 **COMPUTER LITERACY FOR RADIOGRAPHY** (1) Computer terminology and concepts with emphasis on applications in Radiologic Technology.
- CSCI 124 **"BASIC" PROGRAMMING** (1) Introduction to Xavier timesharing system, elements of the "BASIC" language, programming elementary problems. Prerequisite: Secondary math proficiency.
- CSCI 134 **"BASIC" II** (1) Continuation of CSCI 124. Selected additional features of the "BASIC" language. Prerequisite: CSCI 124.
- CSCI 170 **COMPUTER SCIENCE I** (3) Problem solving, algorithm development and verification, programming in a block structured language. Data manipulation, procedures, functions, arrays, fundamental algorithms, and files. Prerequisite: Secondary math proficiency.
- CSCI 171 **COMPUTER SCIENCE II** (3) Structured programming with an emphasis on program design and problem solving. Procedures, functions, data types, and pointers. Recursion, files, searching and sorting, and simple data structures. Prerequisite: CSCI 170.
- CSCI 175 **"C"**(3) Structured programming and problem solving. Data manipulation, functions, arrays, structures, pointers, and files. Fundamental algorithms. Prerequisite: Proficiency in a computer language.

Upper Division Courses

- CSCI 213 **NUMERICAL COMPUTING** (3) Data representations and computer arithmetic; accuracy, limitations and pitfalls. Sources of error; computational roundoff, analytical truncation and conditioning, propagation. Programming selected algorithms. Prerequisites: CSCI 170 or equivalent, and MATH 150 or 170.
- CSCI 244 **ELECTRONICS II** (2) (PHYS 244) Digital components and circuits, microcomputer architecture and machine language programming, interfacing circuits. Prerequisite: PHYS 242.
- CSCI 245 **ELECTRONICS LABORATORY** (1) (PHYS 245) Laboratory accompanies CSCI 244.
- CSCI 255 **ARCHITECTURE AND ASSEMBLY LANGUAGE** (3) (INFO 360) Machine language, assembler programming, CPU and memory organization. Data and instruction representations, control and flow, arithmetic and logical operations, elementary input/output, and dumps. Prerequisite: CSCI 170.
- CSCI 256 **ADVANCED ASSEMBLER** (3) Assembler programming with additional assembler features and methods of program organization. Subroutines and macros. Prerequisite: CSCI 255. (INFO 361).
- CSCI 303 **NUMERICAL ANALYSIS** (3) (MATH 321) Accuracy, function evaluation and approximation, systems of linear equations, non-linear equations, numerical differentiation and integration, solutions to differential equations. Prerequisites: CSCI 170, MATH 171.
- CSCI 325 **DATA STRUCTURES** (3) Internal and external information storage and manipulation. Arrays, stacks, queues, linked list, trees, graphs, sorting, searching, elementary complexity analysis, and various applications. Prerequisite: CSCI 171, MATH 180.
- CSCI 335 **OPERATING SYSTEMS** (3) Operating software and hardware; design and implementation. Process control and scheduling, concurrency, multiprocessing, memory and disk management, networks and system security. Prerequisites: CSCI 255, 325. Corequisites: CSCI 244, 245.

- CSCI 340 **COMPARATIVE LANGUAGES (3)** Comparative study of several programming languages, with emphasis on their design, strengths and weaknesses. Prerequisite: CSCI 325.
- CSCI 345 **LOGIC PROGRAMMING - PROLOG (3)** Programming in Prolog: facts, rules, backtracking, and the cut operator, lists, grammar rules, sorting, graph searching, symbolic differentiation, the unification algorithm, reduction algorithms. Prerequisite: CSCI 325.
- CSCI 350 **DESIGN AND ANALYSIS OF ALGORITHMS (3)** A study of algorithms chosen from various areas, including: sets, graphs, lexicographic orderings, sorting, pattern matching, external file management and matrix manipulation. The mathematical analysis of the time and space requirements of these algorithms. Prerequisite: CSCI 325.
- CSCI 352 **SYSTEMS DEVELOPMENT PROJECT (3)** (INFO 495) See INFO 495. Prerequisite: consent of instructor.
- CSCI 354 **DATA BASE ARCHITECTURE (3)** Comparison of the hierarchical, network and relational approaches with a focus on the relational. Data manipulation languages, data independence, data consistency, data validity, internal design. Prerequisite: CSCI 325.
- CSCI 355 **COMPILER/PROGRAMMING LANGUAGE DESIGN (3)** Study of grammars, syntax, semantics, interpreters, and compilers. FSM's and PDA's. Construction of a simple language and a compiler/interpreter. Prerequisites: CSCI 255, 325.
- CSCI 365 **MICROCOMPUTERS (3)** Microcomputer architecture, interrupts, machine and assembly language programming. Graphics. Networks and communication protocols. Prerequisites: CSCI 171, CSCI 255.
- CSCI 377 **ARTIFICIAL INTELLIGENCE (3)** Methods of problem solving in AI. Heuristics, evaluation functions, search strategies, and a survey of a number of AI projects. Prerequisite: CSCI 325.
- CSCI 390 **SEMINAR AND PROJECT (3)** Design, programming, verification, documentation, and presentation of a significant computer project. Prerequisite: Senior computer science major.
- CSCI 397 **SPECIAL READING IN COMPUTER SCIENCE.**



THE DEPARTMENT OF MODERN LANGUAGES

The Department of Modern Languages offers Associate of Arts degrees and Bachelor of Arts degrees in French, in German, and in Spanish. For information on the Associate degrees, contact the Center for Adult and Part-time Students.

THE BACHELOR OF ARTS FRENCH, GERMAN OR SPANISH

The programs for majors in French, German, 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.

Requirements for the Modern Languages Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Foreign Language requirement included within the major.

Major Requirements

- Placement test to determine which lower division courses are required.
- Completion of 27 hours of upper division courses in a language:
 - a. French: must include three courses from those numbered FREN 300-351.
 - b. German: must include three courses from those numbered GERM 300-311.
 - c. Spanish: must include at least two courses in language, SPAN 300-306, and at least two courses in literature/culture, SPAN 350-445.
- Senior project completed according to sectional directives.
- A 2.000 cumulative average must be attained in the major.

Students are encouraged to combine a Modern Language major with a second major or a related minor.

Undergraduates who wish to be certified as teachers of French, German or Spanish are advised to consult with the Chair of the Department and with the Office of Teacher Education in Elett Hall regarding specific requirements for teacher certification.

Requirements for the French Minor

- 15 hours of French courses: two courses from FREN 300-351 and three courses from FREN 420-461.
- A 2.000 cumulative average must be attained in the French courses.

Requirements for the German Minor

- 15 hours of German courses: five courses from GERM 300-494.
- A 2.000 cumulative average must be attained in the German courses.

Requirements for the Spanish Minor

- 15 hours of Spanish courses: two courses from SPAN 300-306, two courses from SPAN 350-489, and one 3-hour elective from SPAN 300-400 levels.
- A 2.000 cumulative average must be attained in the Spanish courses.

Requirements for the Associate Degree in Modern Languages (French, German or Spanish)

Core Curriculum Requirements (see p. 62): 28 hours

Concentration Requirements:

- Placement test to determine which lower division courses are required.
- Five upper division courses in a language:

- a. French, must include at least two courses in language/culture (FREN 300-351) and two in literature (FREN 420-461).
- b. German, must include at least two courses in language/culture (GERM 300-351) and two in literature (GERM 352-470).
- c. Spanish, must include at least two courses in language (SPAN 300-306) and two in literature/culture (SPAN 350-489).

A 2.000 cumulative average must be attained in the concentration.

Modern Languages

Staff: DR. RECKER *chair*; DR. BATES, DR. COMPTON, MS. GODDARD, DR. HODGSON, MS. MCDIARMID, DR. VEGA

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 senior project during the final semester.

French (FREN)

Lower Division Courses

- FREN 101 **ELEMENTARY FRENCH I** (3) An introduction to basic language skills through emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness.
- FREN 102 **ELEMENTARY FRENCH II** (3) The second semester elementary course which is a continuation of FREN 101. Prerequisite: FREN 101 (unless waived).
- FREN 201 **INTERMEDIATE FRENCH I** (3) 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. Prerequisite: FREN 102 (unless waived).
- FREN 202 **INTERMEDIATE FRENCH II** (3) A communicative-oriented course emphasizing reading and writing skills through the study of authentic materials dealing with francophone culture. The course includes a comprehensive grammar review. Prerequisite: FREN 201 (unless waived).
- FREN 203 **INTRODUCTION TO BUSINESS FRENCH** (3) 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.

Upper Division Courses

Prerequisite: FREN 202/3 or the equivalent. Students MUST take at least one of the following courses before enrolling in other upper divisions courses: FREN 300-351.

- FREN 300 **ADVANCED FRENCH I** (3) An upper-division course which is a continuation of FREN 202.
- FREN 301 **ADVANCED FRENCH II** (3) An upper-division course which offers advanced grammar study through authentic texts.
- FREN 302 **FRENCH CONVERSATION** (3) 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.
- FREN 303 **FRENCH COMPOSITION** (3) An upper-division course designed for the development of both formal and informal writing skills. Types of writing include journal, letter, summary, and analytical.
- FREN 315 **BUSINESS FRENCH I** (3) A continuation of FREN 203 as preparation for the Paris Chamber of Commerce examination, the *certificat pratique*.
- FREN 350 **FRENCH CULTURE AND CIVILIZATION** (3) Representative history and civilization of France.
- FREN 351 **FRENCH CULTURE AND CIVILIZATION II** (3) Representative history and civilization of the francophone world.

- FREN 399 **SENIOR PROJECT** (1) Research for senior project.
- FREN 420 **SURVEY OF FRENCH LITERATURE I** (3) A chronological study of French literature and civilization in the seventeenth and eighteenth centuries.
- FREN 421 **SURVEY OF FRENCH LITERATURE II** (3) A chronological study of French literature and civilization in the nineteenth and twentieth centuries.
- FREN 430 **THE MIDDLE AGES AND THE RENAISSANCE** (3) A chronological study of French literature and civilization in the Middle Ages and the sixteenth century.
- FREN 432 **THE SIXTEENTH CENTURY** (3) An in-depth study of representative authors from the French Renaissance, such as Ronsard, Du Bellay and Montaigne.
- FREN 434 **THE SEVENTEENTH CENTURY** (3) An in-depth study of representative authors of the French baroque and classical periods, such as Corneille, Descartes, Pascal, La Fontaine, Molière, Racine.
- FREN 436 **THE EIGHTEENTH CENTURY** (3) An in-depth study of representative authors of the Age of Enlightenment, such as Diderot, Voltaire, Rousseau.
- FREN 438 **THE NINETEENTH CENTURY** (3) An in-depth study of representative authors of French romanticism and realism, such as Chateaubriand, Hugo, Balzac, Flaubert.
- FREN 439 **FRENCH THEATRE** (3) A chronological study of the development of the French theatre from the Middle Ages to the present.
- FREN 440 **THE TWENTIETH CENTURY** (3) An in-depth study of representative authors of this century, such as Proust, Gide, Sartre, Camus.
- FREN 450 **CLASSICAL FRENCH THEATRE: MYTH AND MORALS** (3) An in-depth study of the French classical playwrights, Corneille, Molière and Racine.
- FREN 461 **FRENCH WOMEN WRITERS** (3) A chronological study of representative French women writers from the Middle Ages to the present.
- FREN 495 **DIRECTED STUDY: LANGUAGE** (1-3) Independent study.
- FREN 496 **DIRECTED STUDY: CULTURE/CIVILIZATION** (1-3) Independent study.
- FREN 497 **DIRECTED STUDY: LITERATURE** (1-3) Independent study.
- FREN 700 **GRADUATE RESEARCH** (3) Research for M.A.

German (GERM)

Lower Division Courses

- GERM 101 **ELEMENTARY GERMAN I** (3) An introduction to basic language skills through emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness.
- GERM 102 **ELEMENTARY GERMAN II** (3) The second semester elementary course which is a continuation of GERM 101 with added emphasis on reading and speaking in the target language. Prerequisite: GERM 101 (unless waived).
- GERM 201 **INTERMEDIATE GERMAN I** (3) The first semester intermediate course which is a continuation of GERM 102 with particular emphasis on the development of more creative use of the target language. Prerequisite: GERM 102 (unless waived).
- GERM 202 **INTERMEDIATE GERMAN II** (3) A communicative-oriented course emphasizing reading and writing skills through the study of authentic materials dealing with the culture of the German speaking world. The course includes a comprehensive grammar review. Prerequisite: GERM 201 (unless waived).

Upper Division Courses

Prerequisite: GERM 202 or equivalent. Students MUST take at least one of the following courses before enrolling in other upper division courses: GERM 300 or 302.

- GERM 300 **ADVANCED GERMAN I** (3) The course offers advanced grammar study through active reading and discussion of authentic, everyday German texts.
- GERM 301 **ADVANCED GERMAN II** (3) 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 als Fremdsprache".

- GERM 302 **GERMAN CONVERSATION** (3) A course designed for the development of speaking and listening skills through active participation by students. Discussions and activities are based on contemporary issues.
- GERM 303 **GERMAN COMPOSITION** (3) 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 journal, letter, summary and analytical.
- GERM 315 **BUSINESS GERMAN** (3) 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.
- GERM 320 **STYLISTICS AND ADVANCED READING** (3) 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 given to written analysis.
- GERM 350 **GERMAN CULTURE I** (3) 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.
- GERM 351 **GERMAN CULTURE II** (3) The tremendous changes that the German speaking countries underwent since 1933 are examined through the medium of contemporary political rhetoric (and propaganda), documentaries, editorials, cartoons, cabaret songs.
- GERM 399 **SENIOR PROJECT** (1) Research for senior project.
- GERM 410 **THE GERMAN FAIRY TALE** (3) 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.
- GERM 420 **INTRODUCTION TO GERMAN LITERATURE I** (3) 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.
- GERM 421 **INTRODUCTION TO GERMAN LITERATURE II** (3) A chronological study of Germanic literature from the highlights of the Classical period (Goethe, Schiller) to the present.
- GERM 430 **THE GERMAN SHORT STORY** (3) Social, political, cultural and economic issues of contemporary Germany are discussed as presented in the post-war short stories of Borchert, Böll, Kaschnitz, Langässer, Siegfried Lenz, Bichsel.
- GERM 435 **THE CLASSICAL PERIOD** (3) "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.
- GERM 440 **CONTEMPORARY GERMAN LITERATURE** (3) Various forms of literature from poetry to the radio and television play are used to explore commonalities/differences in the works of Grass, Böll, Johnson, Eich, Walser, Bernhard, Hildesheimer, Seghers and Frisch.
- GERM 441 **GERMAN WOMEN WRITERS OF THE 20TH CENTURY** (3) 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').
- GERM 442 **MAENNERLITERATUR – FRAUENLITERATUR** (3) The literature of men and women writers is traced through the ages and their literary styles and modes are compared.
- GERM 444 **THE GERMAN SPEAKING WORLD AS SHOWN IN THE LITERATURE FROM 1945-1995** (3) The breathtaking events of the last fifty years are explored through historical texts, newspaper and magazine articles as well as contemporary prose, drama, poetry and radio play.

- GERM 454 **EAST GERMAN WRITERS** (3) 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.
- GERM 462 **CULTURE AS REFLECTED IN DRAMA** (3) On the basis of discussing German dramas the periods they reflect are discussed.
- GERM 470 **THE ROMANTIC PERIOD** (3) 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.
- GERM 494 **SELECTED READINGS** (3) A course created specifically for the special needs of a particular student.
- GERM 495 **DIRECTED STUDY: LANGUAGE** (1-3) Independent study.
- GERM 496 **DIRECTED STUDY: CULTURE/CIVILIZATION** (1-3) Independent study.
- GERM 497 **DIRECTED STUDY: LITERATURE** (1-3) Independent study.
- GERM 700 **GRADUATE RESEARCH: GERMAN** (3) Research for the M.A.

Spanish (SPAN)

Lower Division Courses

- SPAN 101 **ELEMENTARY SPANISH I** (3) An introduction to basic language skills emphasizing the acquisition of high-frequency vocabulary and the development of cultural awareness.
- SPAN 102 **ELEMENTARY SPANISH II** (3) The second semester elementary course which is a continuation of SPAN 101. Prerequisite: SPAN 101 (unless waived).
- SPAN 201 **INTERMEDIATE SPANISH I** (3) 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. Prerequisite: SPAN 102 (unless waived).
- SPAN 202 **INTERMEDIATE SPANISH II** (3) A communicative-oriented course emphasizing reading and writing skills through the study of authentic materials dealing with the Hispanic world. The course includes a comprehensive grammar review. Prerequisite: SPAN 201 (unless waived).

Upper Division Courses

Prerequisite: SPAN 202 or its equivalent. Students MUST take at least one of the following before enrolling in other upper division courses: SPAN 300, 301, 302, 303, 304, or 306.

For Non-native Spanish Speakers

- SPAN 300 **ADVANCED SPANISH** (3) A language development course which emphasizes equally listening, speaking, reading, writing and cultural aspects.
- SPAN 301 **READINGS IN SPANISH** (3) Readings from literary and non-literary sources chosen to improve reading skills.
- SPAN 302 **SPANISH CONVERSATION** (3) Designed for the development of speaking and listening skills through active participation by students. Discussions and activities are based on contemporary issues.
- SPAN 303 **SPANISH COMPOSITION** (3) Designed for the development of both formal and informal writing skills. Types of writing include journal, letter, summary, and analytical.
- SPAN 304 **SPANISH VOCABULARY IN CONTEXT** (3) Study of technical and functional vocabulary in selected situations not found in traditional textbooks.
- SPAN 350 **SPANISH CIVILIZATION** (3) Representative culture and history of Spain.
- SPAN 351 **LATIN-AMERICAN CIVILIZATION** (3) Representative culture and history of Latin America.
- SPAN 353 **INTRODUCTION TO LATIN AMERICAN HISTORY AND CULTURE** (3) An introduction to Latin American Studies concentrating on historical, sociopolitical and cultural issues.

- SPAN 399 **SENIOR PROJECT** (1) Research for senior project.
- SPAN 400 **INTRODUCTION TO HISPANIC LITERATURE** (3) An introduction to literature with a chronological study of genres and movements and analysis of excerpts from representative authors.
- SPAN 421 **SPANISH LITERATURE & CIVILIZATION I** (3) A chronological study of Spanish literature and civilization from medieval period through the 17th century.
- SPAN 422 **SPANISH LITERATURE & CIVILIZATION II** (3) A continuation of SPAN 421 covering the 18th and 19th centuries.
- SPAN 423 **SPANISH LITERATURE & CIVILIZATION III** (3) A continuation of SPAN 422 covering the 20th century.
- SPAN 427 **SPANISH-AMERICAN LITERATURE & CIVILIZATION I** (3) A chronological study of Spanish-American literature and civilization from the colonial period through the 18th century.
- SPAN 428 **SPANISH-AMERICAN LITERATURE & CIVILIZATION II** (3) A continuation of SPAN 427 covering the 19th and early 20th centuries.
- SPAN 429 **SPANISH-AMERICAN LITERATURE & CIVILIZATION III** (3) A continuation of SPAN 428 covering the latter part of the 20th century.
- SPAN 433 **SPANISH LITERATURE OF THE GOLDEN AGE** (3) Representative authors and genres of the 16th and 17th centuries.
- SPAN 436 **NINETEENTH-CENTURY SPANISH LITERATURE** (3) Representative authors and works of romanticism, realism and naturalism.
- SPAN 439 **TWENTIETH-CENTURY SPANISH LITERATURE** (3) Representative authors and genres from the Generation of 1898 to the present day.
- SPAN 440 **HISPANIC POETRY** (3) Representative Spanish and Spanish-American poets.
- SPAN 444 **NINETEENTH-CENTURY SPANISH-AMERICAN LITERATURE** (3) Representative authors and genres.
- SPAN 445 **TWENTIETH-CENTURY SPANISH-AMERICAN LITERATURE** (3) Representative authors and genres.

For Native Spanish Speakers and Teachers

- SPAN 450 **INTRODUCTION TO HISPANIC LITERATURE** (3) An introduction to literature with a chronological study of genres and movements, and analysis of excerpts from representative authors.
- SPAN 460 **PROSE OF THE GOLDEN AGE** (3) Representative authors and prose works of the 16th and 17th centuries, such as *Lazarillo de Tormes* and *Don Quijote*.
- SPAN 461 **POETRY AND DRAMA OF THE GOLDEN AGE** (3) Representative poetry and drama of the 16th and 17th centuries by authors such as Lope de Vega, Tirso de Molina and Calderón de la Barca.
- SPAN 465 **SPANISH ROMANTICISM** (3) Representative authors of the Romantic period in Spain, such as Larra, Zorrilla and Bécquer.
- SPAN 467 **NINETEENTH-CENTURY SPANISH PROSE** (3) Representative authors such as Galdós, Valera and "Clarín."
- SPAN 468 **THE GENERATION OF 1898** (3) Representative authors such as Unamuno, Valle Inclán and Antonio Machado.
- SPAN 476 **TWENTIETH-CENTURY SPANISH PROSE** (3) Representative works of post-Civil War Spain from authors such as Delibes, Goytisolo and Martín Santos.
- SPAN 477 **TWENTIETH-CENTURY SPANISH DRAMA** (3) Representative authors and plays of pre- and post-Civil War Spain such as Benavente, Lorca, and Buero Vallejo.
- SPAN 478 **SPANISH POETRY** (3) Representative Spanish poets: Machado, Jiménez, and Jorge Guillén.
- SPAN 484 **SPANISH-AMERICAN COLONIAL LITERATURE** (3) Representative essays from writers such as Inca Garcilaso de la Vega and Sor Juana Inés de la Cruz.
- SPAN 485 **SPANISH-AMERICAN MODERNISM** (3) Representative modernist authors of the late 19th and early 20th centuries, such as Ruben Dario.

- SPAN 486 **SPANISH-AMERICAN PROSE I** (3) Representative authors and works through the first half of the 20th century such as Mariano Azuela, María Luisa Bombal, and Ciro Alegría.
- SPAN 487 **SPANISH-AMERICAN PROSE II** (3) Representative authors and works since 1947 such as Borges, Carpentier, Fuentes, and Puig.
- SPAN 488 **SPANISH-AMERICAN DRAMA** (3) Representative works from 20th century dramatists including Usigli, Díaz, and Carballido.
- SPAN 489 **SPANISH-AMERICAN POETRY** (3) Representative poetry from Gabriela Mistral, Neruda, and Paz.

For Non-Native and Native Speakers of Spanish

- SPAN 495 **DIRECTED STUDY: LANGUAGE** (1-3) Independent study.
- SPAN 496 **DIRECTED STUDY: CULTURE/CIVILIZATION** (1-3) Independent study.
- SPAN 497 **DIRECTED STUDY: LITERATURE** (1-3) Independent study.

For Teachers and Prospective Teachers

- SPAN 325- **HISTORY OF THE SPANISH LANGUAGE** (3) Study of the evolution and
625 development of the Spanish language from Latin to present day Spanish.
- SPAN 326- **SPANISH LANGUAGE FOR TEACHERS** (3) Study of the Spanish language
626 designed to increase knowledge and competence through discussion and practice of language usage.
- SPAN 327- **SPANISH VOCABULARY IN CONTEXT** (3) Study of technical and functional
627 vocabulary in situations of special interest to teachers and prospective teachers. Class projects include formation of vocabulary lists and lesson plans.
- SPAN 328- **PHONETICS AND DIALECTOLOGY** (3) Study of the phonetic system of the
628 Spanish language, including transcription and identification of dialectal features.
- SPAN 352- **HISPANIC CULTURE** (3) An intensive course focusing on contemporary cultural
652 information about the Spanish speaking world and techniques for classroom implementation.
- SPAN 415- **HISPANIC LITERATURE IN THE CLASSROOM** (3) Study of strategies for
615 integrating literature with language and culture in the secondary Spanish classroom.
- SPAN 695 **DIRECTED STUDY: LANGUAGE** Independent study.
- SPAN 696 **DIRECTED STUDY: CULTURE/CIVILIZATION** Independent study.
- SPAN 697 **DIRECTED STUDY: LITERATURE** Independent study.
- SPAN 700 **GRADUATE RESEARCH: SPANISH** (3) Research for the M.A.

Other Language Courses

- ASLN 101 **ELEMENTARY AMERICAN SIGN LANGUAGE I** (3) An introduction to basic signing through emphasizing the acquisition of high-frequency vocabulary, facial expression and the development of cultural awareness.
- ASLN 102 **ELEMENTARY AMERICAN SIGN LANGUAGE II** (3) The second semester elementary course which is a continuation of ASLN 101. Prerequisite ASLN 101 (unless waived).
- ASLN 201 **INTERMEDIATE AMERICAN SIGN LANGUAGE I** (3) 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. Prerequisite ASLN 102 (unless waived).
- ASLN 202 **INTERMEDIATE AMERICAN SIGN LANGUAGE II** (3) 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. Prerequisite ASLN 201 (unless waived).
- JAPN 101 **ELEMENTARY JAPANESE I** (3) 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.

- JAPN 102 **ELEMENTARY JAPANESE II (3)** The second semester elementary course which is a continuation of JAPN 101. Emphasizes listening, and situational conversation. Prerequisite JAPN 101 (unless waived).
- JAPN 201 **INTERMEDIATE JAPANESE I (3)** 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 and culture. Prerequisite JAPN 102 (unless waived).
- JAPN 202 **INTERMEDIATE JAPANESE II (3)** 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. Prerequisite JAPN 201 (unless waived).
- MDLN 480 **TEACHING MODERN LANGUAGES (3)** A course designed to show teachers and prospective teachers ways of implementing and supplementing existing materials for modern foreign language teaching, while introducing them to various methodological approaches. Emphasis is placed on ways of developing the skills of listening, speaking, reading and writing as well as the teaching of culture and civilization.
- PORT 101 **ELEMENTARY PORTUGUESE I (3)** An introductory course to the basic structures and vocabulary of Brazilian Portuguese. Offered only as part of the summer program in Brazil.
- PORT 102 **ELEMENTARY PORTUGUESE II (3)** Continuation of PORT 101. Offered only as part of the summer program in Brazil.



THE DEPARTMENT OF MUSIC

The Department of Music offers two bachelor degree programs: the Bachelor of Arts in Music and, in conjunction with the Department of Education, the Bachelor of Science in Music Education. The department also offers a broad, general exposure to the field of music through a variety of courses to all students of the university as they pursue a liberal arts education. In addition, opportunity for instruction in an applied instrument/voice is available upon departmental approval, as well as participation in vocal and instrumental ensembles.

THE BACHELOR OF ARTS IN MUSIC

Requirements for the Music Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Fine Arts requirement included within the major.

Major Requirements

- 34 hours of Music courses: MUSC 201, 202, 205, 207, 210, 211, 301, 302, 303, 305, 306, 310, 311, 324.
- 8 hours in applied music.
- 8 semesters of participation in a vocal and/or instrumental ensemble.
- 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.
- A 2.000 cumulative average must be attained in the 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.

Requirements for the Music Minor

- 18 hours of Music courses: MUSC 200, 202, 210 or 310, 211 or 311, 3 hours in applied music, 3 hours in an ensemble.

Requirements for the Jazz Minor

- 18 hours of Music courses: MUSC 101, 114, 198, 206, 306, 307, 3 hours in applied music, 3 hours in jazz ensemble.

THE BACHELOR OF SCIENCE IN MUSIC EDUCATION

(Certification K-12)

Requirements for the Music Education Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Social Sciences: ED 141, 142, 438
- Fine Arts requirement included within the major.

Major Requirements

- 49 hours in Music courses: MUSC 122, 201, 202, 205, 207, 210, 211, 221, 222, 301, 302, 303, 305, 306, 310, 311, 324, 325, 328, 351, 352, 353, 354.
- 8 hours in applied music.
- 8 semesters of participation in a vocal and/or instrumental ensemble.
- Education courses required for certification.
- 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.
- 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 Office.

Music (MUSC)

Staff: DR. ROEHRIG, *chair*; MS. BUEL, MR. SKEIRIK

Assisted by: MS. BEATY, MS. BEEBE, MR. BELL, MS. CAMPBELL, MR. CAMPIONE, MR. DEFOOR, MR. DUERR, DR. EAGEN, MR. GARDNER, MR. HINKLE, MR. JOHNS, MS. JOHNSON, MR. KEENE, DR. KLOTH, MS. KOEPFLE, MS. MAGA, MR. MERCER, MS. OLSON, MR. PARR, MR. PRIOR, MS. SLATER, MR. SWISHER, MS. TAYLOR, MR. THORNTON, MR. WELCH, MS. WOODBURY, MR. WOOLARD

Lower Division Courses

- MUSC 100 **BASIC MUSIC THEORY** (2) 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.
- MUSC 101 **BASIC JAZZ PREPARATION** (2) The preliminary study of basic jazz theory and practices as well as the analysis, study and exercise of scales, chords and harmonic usage.
- MUSC 110 **MUSIC IN GENERAL CULTURE** (3) Course is designed to develop an aesthetic appreciation of the role of music in the history of man.
- MUSC 111 **MUSIC: THE ART OF LISTENING** (3) 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.
- MUSC 112 **MUSIC: NOW!** (3) 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.
- MUSC 113 **MUSIC AND HUMAN EXPERIENCE** (3) Introduction to major works of Music Literature focusing on shared human experiences and their interpretation in music.
- MUSC 114 **JAZZ: AMERICAN CREATIVE MUSIC** (3) Study of the trends and styles, innovators and influential pioneers, and the evolution of the Jazz idiom in the 20th century.
- MUSC 115 **AFRICAN-AMERICAN MUSIC** (3) Survey of Black music styles from 17th to 20th century; emphasis on African roots of this tradition and historical and socio-cultural contexts that gave birth to a Black music tradition.
- MUSC 116 **WOMEN IN MUSIC** (3) 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.
- MUSC 120 **FUNDAMENTALS OF SCHOOL MUSIC** (2) For classroom teachers. Basic elementary methods and materials for elementary grades.
- MUSC 121 **MUSIC IN THE ELEMENTARY SCHOOLS** (2) Intermediate level course. Focus upon creativity and curriculum design K - 8. Prerequisite: MUSC 120.
- MUSC 154-155 **DANCE AND MOVEMENT I, II** (1) 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.
- MUSC 156-157 **ADVANCED DANCE AND MOVEMENT I, II** (1) Continuation of MUSC 154-155.

Upper division courses

- MUSC 200 **THEORY I** (3) Study of elements of musical organization; four-part harmonization and analysis.
- MUSC 201 **SIGHTSINGING AND DICTATION I** (1) 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.

- MUSC 202 **THEORY II** (3) Continuation of MUSC 200 Prerequisite: MUSC 200 or permission of instructor.
- MUSC 203 **SIGHTSINGING AND DICTATION II** (1) Continuation of MUSC 201.
- MUSC 206 **TECHNIQUES OF JAZZ IMPROVISATION** (2) 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.
- MUSC 210 **SURVEY OF MUSIC LITERATURE I** (3) Introduction to the literature of music. Discussion of representative compositions from Early Middle Ages to the Classical period with emphasis on listening and rudimentary aural analysis of selected works. No prerequisite.
- MUSC 211 **SURVEY OF MUSIC LITERATURE II** (3) Continuation of MUSC 210. Discussion of representative compositions from the Romantic to the Contemporary style periods. No prerequisite.
- MUSC 221 **MUSIC IN THE ELEMENTARY SCHOOLS** (2) See MUSC 121. For music majors or with permission of instructor.
- MUSC 299 **INDEPENDENT STUDY** (1-3).
- MUSC 300 **THEORY III** (3) Continuation of MUSC 202; special emphasis on harmonic developments during the Romantic period (chromaticism, altered chords).
- MUSC 301 **SIGHTSINGING AND DICTATION III** (1) Advanced sightsinging and eartraining material including sightsinging examples from the standard literature, four part harmonic dictation, and more complex examples of melodic and rhythmic dictation.
- MUSC 302 **THEORY IV** (3) Continuation of MUSC 300. Basic compositional techniques and analysis; twentieth-century harmonic vocabulary.
- MUSC 303 **SIGHTSINGING AND DICTATION IV** (1) Continuation of MUSC 301.
- MUSC 306 **TECHNIQUES OF JAZZ WRITING AND ARRANGING** (2) The presentation, examination, practice and exercise of techniques and methods applied in the organization and creation of jazz writing and arranging. Prerequisite: MUSC 101 or equivalent.
- MUSC 307 **JAZZ REPERTOIRE AND IMPROVISATION WORKSHOP** (2) An in-depth application of jazz improvisation styles to the live performance situation with an emphasis on accumulated repertoire. Prerequisite: MUSC 101 and 206 or equivalent.
- MUSC 310 **MUSIC HISTORY I** (3) Historical development of music from antiquity to the end of the Baroque era.
- MUSC 311 **MUSIC HISTORY II** (3) Historical development of music from Viennese Classicism to the present; a continuation of MUSC 310.
- MUSC 320 **MUSIC IN THE SECONDARY SCHOOL** (2) Overview of role, and responsibility of music teacher. Vocal, instrumental, and general music education. (For music majors only.)
- MUSC 321 **METHODS AND MATERIALS IN THE SECONDARY SCHOOL** (2) Emphasis on instrumental and choral methods and materials. Practical guide for secondary music educator. Prerequisite: MUSC 320.
- MUSC 330 **MUSIC FOR THE LITURGY** (3) Survey of sacred music appropriate for liturgical celebrations throughout the church year.
- MUSC 331 **CHURCH SERVICE PLAYING** (1) A practical course in hymn playing and the accompaniment of psalmody and other liturgical songs.
- MUSC 332 **INTRODUCTION TO ORGAN IMPROVISATION** (1) Basic concepts and techniques of organ improvisation. Includes stylistic approaches from the Baroque to the present.
- MUSC 340 **OPERA WORKSHOP** (2) 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. Prerequisite: permission of instructor.

- MUSC 350 **FUNCTIONAL PIANO** (2) Development of basic skills needed for playing accompaniments and harmonizations at the keyboard. Designed for students who wish to teach in the elementary and secondary school. Prerequisite: permission of instructor.
- MUSC 399 **INDEPENDENT STUDY** (1-3).
- MUSC 400 **FORM AND ANALYSIS** (3) Intensive study of larger musical forms; works selected from representative works of instrumental and vocal music literature. Prerequisite: MUSC 302.
- MUSC 401 **ORCHESTRATION - ARRANGING** (3) The technique of scoring for orchestra, band and diverse instrumental ensembles. Prerequisite: MUSC 302 or equivalent.
- MUSC 402 **COMPOSITION** (3) Introduction to creative writing in simple musical forms. Prerequisite: MUSC 400 or equivalent.
- MUSC 403 **COUNTERPOINT** (3) Advanced course of contrapuntal writing in the style of eighteenth-century composers. Emphasis on chorale prelude and fugue.
- MUSC 406 **JAZZ THEORY I** (2) The advanced study of Jazz styles and techniques in both writing and improvisation with emphasis on analysis, form, history and repertoire. Prerequisites: MUSC 101, 206 and 306.
- MUSC 407 **JAZZ THEORY II** (2) Continuation of MUSC 406.
- MUSC 410 **SONG LITERATURE** (3) Survey of vocal repertoire from the preclassical to the present; course also includes discussion of style and performance technique.
- MUSC 411 **STUDIES IN MUSIC LITERATURE** (3) Survey of development and repertoire of vocal, choral or instrumental literature. Topics vary with need of curriculum design.
- MUSC 412 **STUDIES IN MUSIC HISTORY** (3) In-depth study of specific eras in the history of music or of major composers and their work.
- MUSC 420 **CONDUCTING I** (3) Fundamentals of conducting. Basic techniques, and study of shorter choral and instrumental works. Prerequisite: MUSC 202.
- MUSC 421 **CONDUCTING II** (3) Continuation of MUSC 420.
- MUSC 424 **PIANO PEDAGOGY** (2) Principles of teaching piano; survey of teaching materials.
- MUSC 426 **FOUNDATIONS OF MUSIC EDUCATION** (3) A comprehensive study of Music Education: history, philosophy, theory, and practical application.
- MUSC 427 **CONTEMPORARY APPROACHES IN MUSIC EDUCATION** (3) Introduction to Orff and Kodaly methodology; curricular innovations for elementary, middle school, and secondary levels.
- MUSC 440 **SENIOR SEMINAR** (2) Review and coordination of historical, theoretical, and practical aspects of music. Supplement to courses taken by the individual student through research and discussion.
- MUSC 499 **INDEPENDENT STUDY** (1-3).

Instrumental Technique Courses

The following four courses provide an understanding of techniques and teaching strategies of the various families of instruments. Designed for those interested in teaching music, they will lead toward basic performance competence and pedagogy.

- MUSC 351 **STRING TECHNIQUES** (1).
- MUSC 352 **WOODWIND TECHNIQUES** (1).
- MUSC 353 **BRASS TECHNIQUES** (1).
- MUSC 354 **PERCUSSION TECHNIQUES** (1).

Applied Music and Music Performance

The Department of Music offers private instruction in the instruments or instrumental areas listed below. One hour per week merits one credit.

Courses in Applied Music

MUSC 180-199 **PRIVATE LESSONS** (1)

A. Piano	C. Voice	E. Strings	G. Brass
B. Organ	D. Guitar	F. Woodwind	H. Percussion

Group Instruction for beginners

- MUSC 150 **CLASS PIANO** (1) Group instruction in basic piano techniques.
 MUSC 151 **CLASS VOICE** (1) Group instruction in the basic techniques of voice production.
 MUSC 152 **CLASS GUITAR** (1) Group instruction in the basic guitar techniques.

Ensembles

- MUSC 160 **CONCERT CHOIR** (1) Chorus of mixed voices. Performance of choral compositions from the Renaissance to the present. Participation with consent of director. Credit or non-credit.
 MUSC 161 **UNIVERSITY SINGERS** (1) Study and performance of choreographed choral repertoire for mixed voices, including selections from musical theatre, popular standards and vocal jazz.
 MUSC 162 **GOSPEL CHOIR** (1) Study and performance of gospel "standards" and contemporary gospel compositions.
 MUSC 164 **BRASS CHOIR** (1) Brass ensemble performing original compositions as well as arrangements from the Baroque to the present. Literature is chosen according to the size of the ensemble. Participation with consent of director.
 MUSC 165 **CONCERT BAND** (1) Study and performance of a wide variety of repertoire for concert band, jazz band and pep band.
 MUSC 166 **WOODWIND ENSEMBLE** (1) A select woodwind chamber ensemble performing original works and transcriptions. Participation with consent of director.
 MUSC 167 **PERCUSSION ENSEMBLE** (1) Study and performance of standard percussion literature. Participation with consent of director.
 MUSC 168 **GUITAR ENSEMBLE** (1) Study and performance of music for guitar ensemble from all style periods. Participation with consent of director.
 MUSC 169 **CHAMBER MUSIC ENSEMBLE** (1) Small ensembles of various instrumental combinations ranging from two to five players. Performance of standard chamber music literature. Participation with consent of instructor.
 MUSC 170 **CHAMBER ORCHESTRA** (1) Study and performance of standard chamber orchestra literature for strings and other instruments. Participation with consent of director.
 MUSC 171 **JAZZ ENSEMBLE** (1) Study and performance of original compositions and traditional Jazz repertoire from the pre-bop era to the present, including contemporary Jazz-Rock-Blues-Pop Fusion transcriptions and arrangements. Participation with consent of the director.
 MUSC 172 **OPERA WORKSHOP** (1) 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. Prerequisite: permission of instructor.

THE DEPARTMENT OF PHILOSOPHY

The Department of Philosophy offers the Bachelor of Arts degree in Philosophy.

THE BACHELOR OF ARTS IN PHILOSOPHY

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 (see pp. 60-61): 64 hours, including

- Philosophy requirement included within the major.

Major Requirements

- 36 hours of Philosophy courses: PHIL 100, 290, 307, 311, three history of philosophy courses (300-306), five philosophy electives (308-399) including a seminar. These electives are chosen in conjunction with the advisor. Whenever possible, majors should enroll in honors courses in philosophy.
- Oral and written comprehensive examination.
- A 2.000 cumulative average must be attained in the Philosophy courses.

Students who wish to concentrate in an area of philosophy closely related to some other discipline may omit symbolic logic and British-American philosophy and may choose a maximum of 4 philosophically relevant courses from other disciplines as part of their major program. (An example is history of political theory.) These courses must fit together with each other and with the student's philosophical electives to form a meaningful whole and must be approved by the department. This alternative, if adopted and planned early enough, will also make it possible for many students to pursue a double major. The double major in philosophy will strengthen the student's intellectual development and, indirectly, his/her career opportunities.

Requirements for the Philosophy Minor

- 15 hours of Philosophy courses: PHIL 290, a history of philosophy elective (300-307), two philosophy electives (300-391), a philosophy seminar (398 or 399).
- A 2.000 cumulative average must be attained in these courses.

Philosophy (PHIL)

Staff: DR. COLELLA, *chair*; DR. BLAIR, DR. BONVILLAIN, DR. DAVIS, DR. DUMONT, DR. W. JONES, DR. KRUSE, DR. MATZ, FR. OPPENHEIM, DR. QUINN, DR. POLT, DR. RETHY, MR. RUSSELL, DR. TALASKA

Assisted by: FR. SCHMIDT, DR. GENDREAU

Lower Division Course

- PHIL 100 **ETHICS AS AN INTRODUCTION TO PHILOSOPHY** (3) The goals of human life; the first principle of morality; virtue, duty, law, responsibility. Special emphasis on justice.

Upper Division Courses

- PHIL 200 **METAPHYSICS** (3) Being and existence; change; limitation and participation of beings; principles and causes of being; categories and properties of being (unity, truth, goodness). Required for students entering prior to August 1992.
- PHIL 290 **THEORY OF KNOWLEDGE** (3) The interplay between human knowledge and the world it knows, the possibility of objective knowledge, and the nature and development of modern science as a theoretical and practical project.

- PHIL 300 **ORIGINS OF PHILOSOPHY** (3) A study of the revolution in thought which created philosophy and science in ancient Greece. Presocratic philosophers and Plato.
- PHIL 301 **HISTORY OF ANCIENT PHILOSOPHY** (3) Greek philosophy from its beginnings to Neoplatonism. Emphasis is on Plato and Aristotle.
- PHIL 302 **HISTORY OF MEDIEVAL PHILOSOPHY** (3) Philosophy in the Latin West from Augustine to the fourteenth century, including Islamic and Jewish philosophy as they influenced Western thought.
- PHIL 303 **HISTORY OF MODERN PHILOSOPHY** (3) Bacon and Descartes to Nietzsche. Emphasis is on Kant.
- PHIL 304 **HISTORY OF EARLY MODERN PHILOSOPHY** (3) Seventeenth and eighteenth century philosophers; conflict of ancients and moderns; response of moderns to each other on system, nature, knowledge, method, morals.
- PHIL 305 **HISTORY OF CONTEMPORARY PHILOSOPHY** (3) Survey stressing structuralist basis and diverse styles of philosophizing in the twentieth century.
- PHIL 306 **CONTEMPORARY CONTINENTAL EUROPEAN PHILOSOPHY** (3) One or more current continental philosophies; e.g., phenomenology, existentialism, Marxism, and their methods.
- PHIL 307 **CONTEMPORARY BRITISH AND AMERICAN PHILOSOPHY** (3) Philosophies current in Britain and America; especially analytic philosophy.
- PHIL 308 **LATE MODERN PHILOSOPHY** (3) 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.
- PHIL 311 **SYMBOLIC LOGIC** (3) The elements of propositional calculus and predicate calculus; the structure of deductive systems.
- PHIL 317 **PHILOSOPHICAL ANTHROPOLOGY** (3) The principal philosophical topics relating to the nature of the human being, especially life, intellection, freedom, personhood, and community.
- PHIL 318 **PHILOSOPHY OF GOD** (3) Study by natural reason of the source of finite beings; God, His knowability, existence, nature, attributes, and operations.
- PHIL 321 **ETHICAL BUSINESS DECISIONS** (3) Case studies of several critical issues in business, analyzed according to the contemporary context and ethical principles.
- PHIL 325 **WAR AND MORALITY** (3) Just war theories, steps toward restraining violence and building peace, including spatial defensive shields and restructuring the world order.
- PHIL 329 **MEDICAL ETHICS** (3) Moral issues arising in health care delivery, including social policy as well as clinical problems.
- PHIL 333 **PHILOSOPHY OF ART AND BEAUTY (AESTHETICS)** (3) Principal theories of beauty and contemplation, of art and creative intuition, of truth and symbolism of works of art.
- PHIL 334 **PHILOSOPHY OF WOMAN** (3) Application of philosophical method to a contemporary issue. Historical survey of philosophers' conceptions of woman.
- PHIL 335 **CONTEMPORARY ATHEISM** (3) The problem of the existence of God as it is posed in our modern and contemporary culture.
- PHIL 342 **PHILOSOPHY OF WORK** (3) Search for a proper understanding of work and a Catholic Christian appreciation of work.
- PHIL 348 **SYSTEM AND METHOD** (3) Classical and modern texts on the order and division of the sciences, the emergence of the modern concepts of system, method, analytic and synthetic.
- PHIL 349 **AMERICAN IDEALISM** (3) Exposition and evaluation of the background and aims of Royce, Hocking and Whitehead, with critical focus on their ethical-religious thought.
- PHIL 353 **NATURAL LAW AND NATURAL RIGHT** (3) Classical and modern texts by the great teachers of natural law and natural right; emphasis on pre-philosophic right, natural right and nature/cosmos, law vs. right, facts/values.

- PHIL 354 **AMERICAN PRAGMATISM** (3) A study of Peirce, James, Dewey and their followers.
- PHIL 355 **PRINCIPLES OF POLITICAL PHILOSOPHY** (3) Principal problems of political philosophy, with emphasis on philosophical and religious legitimation of political institutions and on the nature of justice and law.
- PHIL 356 **MARXISM AND LITERATURE** (3) Marxist literary theory and its application to particular texts and literary-historical problems.
- PHIL 365 **PLATO** (3) Study in the interpretation of Plato's writings, with emphasis on the later dialogues.
- PHIL 366 **ARISTOTLE** (3) Study of the main philosophical works of Aristotle, with emphasis on his methodology and historic role.
- PHIL 373 **HOBBS AND ARISTOTLE** (3) Ancient and modern nature, cosmos, system, method, natural right and politics contrasted in paradigmatic texts of Hobbes and Aristotle.
- PHIL 375 **KANT** (3) A textual study of the Critique of Pure Reason and its relation to other works of Kant.
- PHIL 376 **HEGEL** (3) Introduction to the philosophical system of Hegel from the Phenomenology of Spirit. Emphasis on Hegel's method of philosophizing.
- PHIL 377 **MARX** (3) Critical examination of the development of Marx's philosophy from its roots in Hegel and Feuerbach or an intensive examination of Marx's mature works, Grundrisse or Kapital.
- PHIL 379 **NIETZSCHE** (3) An in-depth reading of several of Nietzsche's works, emphasizing his relation to the philosophical tradition as well as to the crisis of the twentieth century.
- PHIL 381 **JOSIAH ROYCE** (3) A study and critique of The Problem of Christianity by this prophet of secular Christianity.
- PHIL 391 **HEIDEGGER** (3) Study of Heidegger's great work, Being and Time, and of his later thought.
- PHIL 398 **SENIOR SEMINAR** (3).
- PHIL 399 **SENIOR SEMINAR** (3).



THE DEPARTMENT OF PHYSICS

The Department of Physics offers two degrees: the Bachelor of Science in Physics, and the Bachelor of Science in Applied Physics

THE BACHELOR OF SCIENCE IN PHYSICS

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 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 (see pp. 60-61): 64 hours, including

- Mathematics: MATH 170 and 171.
- Sciences requirement included within the major.

Major Requirements

- 46 hours of Physics courses: PHYS 108, 110, 111, 242, 243, 244, 245, 350, 351, 352, 353, 364, 365, 366, 367, 374, 376, 377, 381, 382, 398.
- 21 hours of additional Science and Mathematics courses: CHEM 160, 161, 162, 165, CSCI elective, MATH 220, 230, and MATH elective.
- A 2.000 cumulative average must be attained in the Physics courses.

Specific requirements are modifiable for the needs and interests of each individual student.

Requirements for the Physics Minor

- 18 hours of Physics courses: PHYS 104 or 108, 105, 106 or 110, 107, and ten hours of electives (206-399).
- A 2.000 cumulative average must be attained in these courses.

THE BACHELOR OF SCIENCE IN APPLIED PHYSICS

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 for those students interested in Aerospace, Civil and Environmental, Electrical and Computer, Mechanical, Industrial, or Nuclear Engineering or Engineering Science. (This program is also available for students in fields related to Chemistry. See the Applied Chemistry program).

Upon completion of the requirements as specified below, the student will be awarded a Bachelor of Science in Applied Physics 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.

Requirements for the Applied Physics Major**Core Curriculum Requirements**

E Pluribus Unum	1	History	6
English Composition		Fine Arts	3
Philosophy PHIL 100 and 290	6	Liberal Arts	9
Theology THEO 111 and elective ..	6	Literature & Moral Imagination	3
Foreign Language	6	Mathematics MATH 170 and 171	8
Ethics/Religion and Society Focus elective	3		

which may also fulfill one of the core curriculum requirements above.

Major Requirements**Years 1 to 3**

- 37 hours of Physics courses: PHYS 108, 110, 111, 242, 243, 244, 245, 350, 351, 352, 353, 364, 365, 366, 367, 374, 381.
- 21 hours of additional Science and Mathematics courses: CHEM 160, 161, 162, 165, CSCI elective, MATH 220, 230, and MATH elective.
- A 2.000 cumulative average must be attained in the Physics courses.

Year 4

- a. 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.
A B.S. in Applied Physics will be awarded upon the successful completion of this program.
- b. A fourth year at Xavier can be designed for students who do not wish to go to the University of Cincinnati, in cooperation with the Physics Department Chair at Xavier.

Physics (PHYS)

Staff: DR. YERIAN, *chair*; MR. HART, DR. MILLER, DR. NIENABER, DR. TOEPKER, MR. TURPIN

Laboratory Technician: MR. TIERNEY

Lower Division Courses

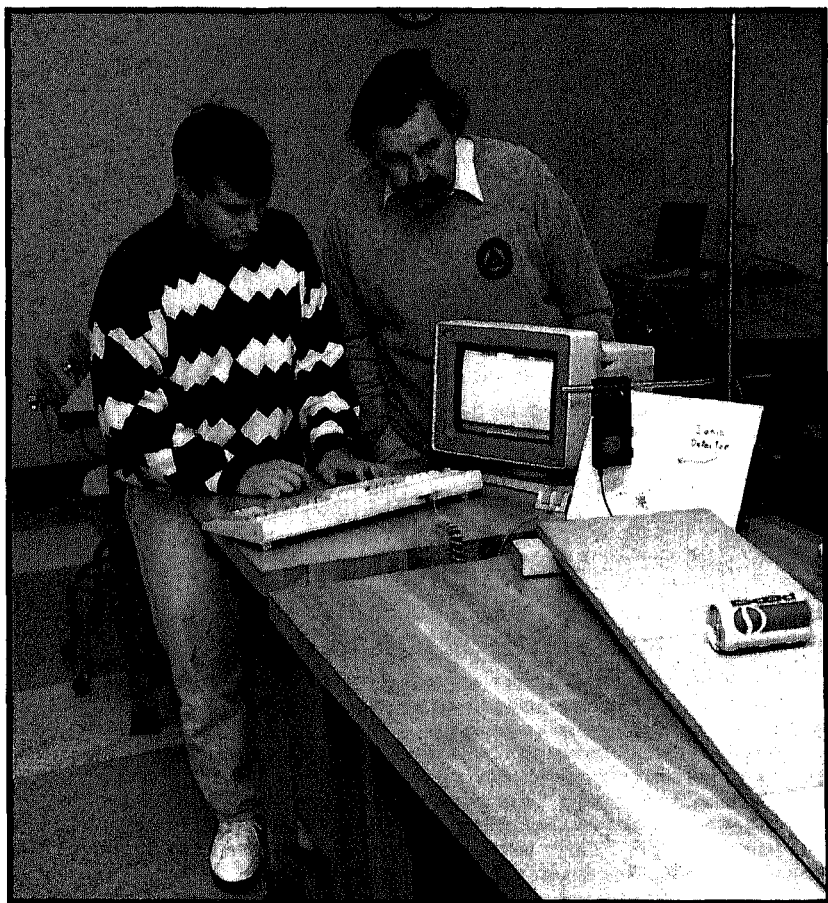
- PHYS 104, **COLLEGE PHYSICS I, II** (3 each semester) For pre-med, pre-dent, and others.
PHYS 106 Mechanics, heat, sound, electromagnetism, optics, and modern physics. Corequisite: PHYS 105 and 107 laboratory. Prerequisite: Algebra.
- PHYS 105, **INTRODUCTORY PHYSICS LABORATORY I, II** (1 each semester). These
PHYS 107 laboratories accompany PHYS 104 or 108 and PHYS 106 or 110 lectures respectively.
- PHYS 108 **UNIVERSITY PHYSICS I** (3) Course for chemistry, computer science, mathematics, and physics majors. Mechanics, heat, sound. Corequisite: PHYS 105.
- PHYS 110 **UNIVERSITY PHYSICS II** (3) Continuation of PHYS 108. Electromagnetism, optics, and modern physics. Corequisite: PHYS 107.
- PHYS 111 **EXPLORATIONS IN PHYSICS** (1) Laboratory for physics majors to be taken with PHYS 108.
- PHYS 114 **INTRODUCTION TO PHYSICAL SCIENCES** (2) Survey of mechanics, heat, light, and atomic physics. Primarily for education majors. Satisfies science core requirement.
- PHYS 115 **INTRODUCTION TO PHYSICAL SCIENCES LABORATORY** (1). Laboratory is required to accompany PHYS 114.
- PHYS 116 **OUR UNIVERSE—THE EARTH** (2) An introductory course in earth science. Corequisite: PHYS 117.
- PHYS 117 **OUR UNIVERSE—THE EARTH LABORATORY** (1) Laboratory required to accompany PHYS 116.

- PHYS 118 **OUR UNIVERSE—THE SKY** (2) Introductory course in astronomy. Corequisite: PHYS 119.
- PHYS 119 **OUR UNIVERSE—THE SKY LABORATORY** (1) Laboratory is required to accompany PHYS 118.
- PHYS 120 **RADIOLOGIC PHYSICS I** (2) Energy, the structure of matter, electricity, magnetism, radioactivity, and the nature and production of X-rays. Calculations in radiology. For radiologic technology students.
- PHYS 121 **RADIOLOGIC PHYSICS II** (2) A Continuation of PHYS 120.
- PHYS 122 **OUR UNIVERSE—ENERGY SOURCES AND USES** (2) An introductory course that surveys various forms of energy and studies practical, economical applications. Corequisite: PHYS 123.
- PHYS 123 **OUR UNIVERSE—ENERGY LABORATORY** (1) Accompanies PHYS 122.
- PHYS 134 **OUR UNIVERSE—LIGHT** (2) Fascinating introductory course using mirrors, lenses, photographic film, lasers, telescopes, and diffraction gratings are presented. Corequisite: PHYS 135.
- PHYS 135 **OUR UNIVERSE—LIGHT LAB** (1) Laboratory required to accompany PHYS 134.

Upper Division Courses

- PHYS 206, PHYS 207 **ADVANCED STUDY OF BASIC PHYSICS I, II** (3 each semester). The broad implications of the fundamental principles of general physics. Prerequisite: General Physics or equivalent.
- PHYS 242 **ELECTRONICS I** (2) A.C. and D.C. measuring instruments. Basic analog circuits including power supplies, filters, transistors, and integrated circuit amplifiers and wave-form generators.
- PHYS 244 **ELECTRONICS II** (2) Digital components and circuits, microcomputer architecture and machine language programming, interfacing circuits. (CSCI 244)
- PHYS 243, PHYS 245 **ELECTRONICS LABORATORY I, II** (1 each semester) Laboratory to accompany PHYS 242, PHYS 244 respectively (CSCI 245).
- PHYS 320 **WORKSHOP: EARTH SCIENCE** (2).
- PHYS 350 **THEORETICAL MECHANICS I** (3) Statics, equilibrium of rigid bodies, analysis of structure, friction, machines.
- PHYS 351 **THEORETICAL MECHANICS II** (3) Dynamics, kinematics of particles and rigid bodies, conservation of energy and momentum, inertial matrices.
- PHYS 352 **ELECTROMAGNETISM I** (3) 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.
- PHYS 353 **ELECTROMAGNETISM II** (3) Continuation of PHYS 352.
- PHYS 364 **PHYSICAL OPTICS** (3) Electromagnetic wave theory is used to derive the laws of optics: reflection, refraction, diffraction, Fresnel integrals, and theory of dispersion.
- PHYS 365 **OPTICS LABORATORY** (1) Experiments in Physical Optics, including diffraction, Michelson's interferometer, multiple beam interference, polarization, various experiments on the prism spectrograph, and holography.
- PHYS 366 **ATOMIC PHYSICS** (3) The atomic view of matter, electricity, and radiation; the atomic models of Rutherford and Bohr, relativity, X-rays, and introduction to quantum mechanics.
- PHYS 367 **ATOMIC PHYSICS LABORATORY** (2) Photoelectric effect, e/m for electrons, black body radiation, vacuum and glass work techniques, ionization potentials, Bragg diffraction, atomic spectra, X-ray spectra.
- PHYS 374 **NUCLEAR PHYSICS** (3) Natural and artificial radioactivity, nuclear reactions, high-energy physics, and fundamental particles. Prerequisite: PHYS 366.
- PHYS 376 **QUANTUM MECHANICS I** (3) The mathematical formalism of quantum mechanics and its physical interpretation. Prerequisite: PHYS 366.
- PHYS 377 **QUANTUM MECHANICS II** (2) Continuation of PHYS 376.

- PHYS 381 **NUCLEAR PHYSICS LABORATORY** (1) Experiments in radioisotope techniques, nuclear particle counting, activation analysis, scattering, and reactor criticality.
- PHYS 382 **THERMODYNAMICS** (3) Thermodynamic variables and processes, internal energy of a system, first and second laws of thermodynamics, Carnot cycle, entropy and irreversibility.
- PHYS 388 **GEO-ASTROPHYSICS** (3) The applied fields of geophysics, atmospheric physics, astronomy, and astrophysics.
- PHYS 389 **INTRODUCTION TO SOLID STATE PHYSICS** (3) Topics include crystallography, specific heat, phonons, band theory, Fermi surfaces, superconductivity. Survey of structural, thermal, electrical, and magnetic properties of matter in solid state.
- PHYS 390 **SPECIAL STUDIES** (3) Area to be specified.
- PHYS 395 **PHYSICS RESEARCH** (1-3) Area to be specified.
- PHYS 397 **SPECIAL READINGS** (1-3) Area to be specified.
- PHYS 398 **PHYSICS THESIS** (1).
- PHYS 410 **HANDS-ON DEVELOPMENTAL SCIENCE** (2).
- PHYS 411 **WORKSHOP: BASIC ELECTRONICS FOR TEACHERS** (2).



THE DEPARTMENT OF THEOLOGY

The Department of Theology offers the Associate of Arts, the Bachelor of Arts and the Master of Arts in Theology degrees. For information on the Associate degree, contact the Center for Adult and Part-time Students.

THE BACHELOR OF ARTS IN THEOLOGY

The study of theology integrates knowledge of religious traditions with the questions men and women today have about themselves and the world in which they live.

The theology faculty attempts to assist the student in this integration with courses about religious traditions, especially the Jewish and Christian traditions, and with other courses that focus on important contemporary issues from a theological perspective.

The major in theology is a preparation for graduate studies in theology, as well as a preparation for religious education, teaching religious studies in secondary schools and other forms of ministry. With appropriate counselling, a student can combine this major in the liberal arts with a major in another field (e.g., 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 (see pp. 60-61): 64 hours, including

- Theology requirement included within the major.

Major Requirements

- 36 hours of Theology courses: THEO 111, 209, 210, 250, 303, 389, 390, scripture elective, non-Christian religious traditions elective, three electives (201-499).
- A research paper on which the student will be examined by a faculty committee.
- A 2.000 cumulative average must be attained in the Theology courses.

Requirements for the Theology Minor

- 18 hours of Theology courses: THEO 111, THEO 209 or 210, 250, 303, and two electives from 201-499. The core curriculum theology requirement is included in the minor.
- A 2.000 cumulative average must be attained in these courses.

Requirements for the Associate Degree in Theology

Core Curriculum Requirements (see p. 62): 28 hours, including

- Theology requirement included within the concentration.

Concentration Requirements:

- 18 hours of Theology courses: THEO 111, THEO 209 or 210, 250, 303 and two upper division electives.
- A 2.000 cumulative average must be attained in the Theology courses.

THE MASTER OF ARTS IN THEOLOGY

The Master of Arts in Theology degree is designed especially for those professionally involved in teaching or in directing programs of religious education and for those wishing to further develop previous theological understanding.

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.

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 prior to acceptance and obtain a score of 44 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.

Required Courses:

- THEO 502 Christian Tradition and the Task of Understanding
- Scripture elective
- Historical theology elective
- Ethics elective
- Systematics elective
- Five graduate-level theology courses.

Some students may substitute a thesis 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 coursework. 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 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. Students will be examined on this paper by a faculty committee.

Theology (THEO)

Staff: DR. MADGES, *chair*; DR. AHLGREN, FR. BRACKEN, FR. CARTER, DR. DEWEY, DR. GOLLAR, SR. GRAF, DR. HILL, DR. KNITTER, SR. MERKLE, SR. MILLER, FR. OVERBERG

Assisted by: FR. BOKENKOTTER, MS. BOLTZ, SR. BROSNAN, MS. BRUNS, MR. CHOQUETTE, MS. CROSSET, RABBI EIDUSON, FR. FARRELL, SR. GERDEMAN, RABBI KAMRASS, FR. KLEIN, REV. KOSTOFF, REV. MELTON, REV. MILLIKEN, MR. SAUERBREY, FR. TRAUB, FR. URMSTON

Lower Division Course

THEO 111 THEOLOGICAL FOUNDATIONS (3) The nature of revelation, religion, and reform within a religious tradition; the sources, method, and value of theological reflection.

Upper Division Courses

THEO 201 A SURVEY OF CHURCH HISTORY (3) A survey of the development of the Church, in its institutional and theological dimensions, from the New Testament era to the 20th century.

THEO 208 MYSTERY OF CHRIST (3) 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 inter-religious dialogue.

THEO 209 THE CHRISTIAN TRADITION I (3) A study of the treatment of major themes of God, Jesus, Church, sacraments, faith, spirituality from the first century through the end of the Middle Ages.

THEO 210 THE CHRISTIAN TRADITION II (3) A study of the treatment of themes mentioned in THEO 209 from the end of the Middle Ages to the twentieth century.

THEO 221 CHRISTIAN VISION OF THE PERSON (3) Examines the issues of grace, sin, freedom both from an historical perspective and contemporary reflection.

THEO 222 CHRISTIAN LIFE AND CELEBRATION (3) Theology of the Christian life; liturgy, religious psychology, secular involvement, the Christian virtues, prayer, Christian community.

THEO 223 SACRAMENTS TODAY (3) Meaning of sacraments in general and Christian sacraments in particular. Historical and theological development of the seven ecclesial sacraments and their place in contemporary liturgical, pastoral, and spiritual renewal.

- THEO 225 **MEDITATION: THEORY AND PRACTICE** (3) Exploration of contemporary theories of meditation and their practical implications for Christian spirituality and prayer.
- THEO 232 **APPROACHES TO GOD** (3) Divine transcendence and the possibilities of human knowledge and experience of God. Contemporary problems of belief, unbelief, atheism.
- THEO 233 **UNDERSTANDING CATHOLICISM** (3) A study of the central Catholic doctrines, showing the historical conditions from which they arose and discussing their meaning for thoughtful people today.
- THEO 234 **BLACK CHURCH IN THEOLOGY** (3) 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 of white churches and society.
- THEO 235 **CHURCH IN THE WORLD** (3) Study of how church, culture, and belief mutually influence the character of Christian belief in the United States and in other parts of the world.
- THEO 238 **WOMEN AND RELIGION** (3) History of Christian teachings on woman's nature and place, interplay of religion and feminism in the 19th and 20th centuries, emphasis on recent feminist theology.
- THEO 241 **BIBLICAL GREEK I** (3) Study of the language and theology of the Greek New Testament.
- THEO 245 **GOD, CREATION AND ECOLOGY** (3) To better understand the environment and the harm being done to it. To better integrate Christian beliefs with environmental concerns.
- THEO 247 **MYSTICISM AND SCIENCE** (3) The course will explore the various expressions of mysticism in the major world religions against the background of modern science, especially psychology and physics.
- THEO 249 **GOD IN EVOLUTION** (3) The possibilities offered by process theology for a contemporary interpretation of traditional Christian belief in the Trinity, Creation, Redemption, Church and Sacraments.
- THEO 250 **INTRODUCTION TO SCRIPTURE** (3) Introduction to historical, literary, and religious development of both Old and New Testaments with emphasis on the use of the tools of scripture study (One section limited to majors and other interested and qualified students.)
- THEO 253 **PSALMS AND WISDOM LITERATURE** (3) 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, Ecclesiastics, Sirach.
- THEO 255 **OLD TESTAMENT PROPHETS** (3) A study of the writings of Israel's prophets with special attention given to the historical period, religious content, and uniqueness of each prophet.
- THEO 258 **THE BIBLE AND ANTI-JUDAISM** (3) Critical study of anti-Jewish elements in the Bible and exploration of ways to interpret them and to address their implications.
- THEO 261 **WRITINGS OF PAUL** (3) A close reading of the Pauline letters within their social and historical situation; the contribution of Paul towards the formation of revolutionary consciousness.
- THEO 262 **THE COMMUNITY OF THE BELOVED DISCIPLE** (3) An analysis of the Gospel and Letters of John in light of the historical and theological developments of the Johannine community.
- THEO 263 **THE PARABLES: A WORKSHOP** (3) 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?
- THEO 264 **SYNOPTIC GOSPELS** (3) 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.
- THEO 265 **GOSPEL OF MARK** (3) Analysis of the Gospel of Mark in light of its historical, literary, and theological context.

- THEO 266 **GOSPEL OF MATTHEW** (3) Study of this Jewish-Christian Gospel as an alternative to Rabbinic Judaism. Emphasis on the pursuit of wisdom and justice.
- THEO 272 **NEW TESTAMENT ETHICS** (3) 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 of today?
- THEO 275 **BOOK OF REVELATION** (3) Comparison with other apocalyptic and political thinking of its time. Subsequent use in history of Church and culture (especially U.S.).
- THEO 281 **FAITH AND DOUBT IN MODERN LITERATURE** (3) Study of questions of religious faith and doubt in contemporary western literature.
- THEO 293 **JESUS IN MODERN FICTION** (3) Modern fiction as it illuminates and is illuminated by the study of the Jesus of the gospels and of contemporary Christology.
- THEO 298 **PROPHETS OF NON-VIOLENCE** (3) Exploration of the life and teachings of Dorothy Day, Mohandas Gandhi, and others and their implications for contemporary spirituality and theology.
- THEO 303 **CHRISTIAN ETHICS: METHODS AND QUESTIONS** (3) Introduction to the methods and central questions of Christian ethics. (Limited to majors and other interested and qualified students.)
- THEO 304 **AIDS: AN ETHICAL INQUIRY** (3) Exploration of the ethical dilemmas rooted in the medical, social, political, and cultural reality of AIDS.
- THEO 306 **LIBERATION ISSUES AND THEOLOGY** (3) Origins and development of the theology of the liberation movements of women, Latin Americans, blacks, and other marginalized groups.
- THEO 310 **MARRIAGE AND THE FAMILY** (3) (SO 310, PS 310) A practical overview of marriage in light of Church tradition and insights from contemporary studies. Team-taught with the interaction of psychologist, sociologist, and theologian.
- THEO 311 **FAITH AND JUSTICE** (3) Relationship between Christian faith and social justice viewed in Christian tradition and recent thought and documents of the Church.
- THEO 312 **CHRISTIAN MEDICAL ETHICS** (3) Evaluation of the options open within medicine - from structuring a health care policy which benefits all equally to deciding on humane ways of dying.
- THEO 313 **CHRISTIAN SEXUAL ETHICS** (3) Ethical criteria Christians use in judging human sexuality from its origins throughout its development. Sex role socialization and common options in sexual behavior.
- THEO 315 **CONTEMPORARY ETHICAL ISSUES** (3) Current issues in light of Christian faith. See course description for specific issues to be studied in a particular semester.
- THEO 317 **WAR AND PEACE** (3) Survey of Church teaching on war and peace, followed by analysis of contemporary social and religious movements toward peace and war. How are Christians called to peace?
- THEO 322 **EASTERN ORTHODOX CHURCH** (3) Detailed survey of the history and belief of the Orthodox Church.
- THEO 324 **RUSSIAN RELIGIOUS THOUGHT** (3) A history of Orthodox Theology from the Byzantine Empire through the Middle Ages up to the present age.
- THEO 325 **CONTEMPORARY SPIRITUALITY** (3) Introduction to contemporary Christian approaches to creation spirituality, modern mysticism, conversion, and a spirituality of wholeness.
- THEO 328 **CHRISTIAN WORSHIP** (3) Ritualization of the Christian experience in Word and Eucharist. Ritualization of Christian initiation, reconversion, marriage, ministry, illness, death, and burial. The arts in ritual.
- THEO 330 **IGNATIAN SPIRITUALITY TODAY** (3) Study of Ignatius Loyola and his spiritual journey in historical context and as the foundation of Jesuit relevancy for reform today.
- THEO 335 **HISTORY OF CHRISTIAN THOUGHT III** (3) History of Christian thought from the Reformation to the middle of the eighteenth century. Christian Humanism, Luther, Calvin, Council of Trent, deism.

- THEO 336 **HISTORY OF CHRISTIAN THOUGHT IV** (3) 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.
- THEO 340 **AMERICAN CHURCH AND PUBLIC ISSUES** (3) 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.
- THEO 341 **CONTEMPORARY PROTESTANT THEOLOGY** (3) Study of major Protestant theologians of the twentieth century.
- THEO 343 **DIALOGUE AMONG WORLD RELIGIONS** (3) The foundations for a greater ecumenism among all religions; how Christians can come to a more positive attitude towards other religions.
- THEO 344 **FAR EASTERN RELIGIONS** (3) An attempt to understand and to enter into the experience behind the teachings and practices of the Eastern religions: Hinduism, Buddhism, Confucianism, Taoism, Zen.
- THEO 345 **INTRODUCTION TO THE CHURCH FATHERS** (3) (CL 345) The Fathers of the first five centuries. The Church's defense against pagans and heretics. Confrontation with the Empire. Development of doctrine.
- THEO 346 **HUMAN COMMUNITY: NEEDS AND RIGHTS** (3) Study of the theological and socio-economic foundations of human community and of the community and of the concepts of justice and human rights.
- THEO 348 **SAINTS AND HERETICS** (3) Explores the relationship between heterodoxy and orthodoxy in the development of Christian doctrine.
- THEO 352 **JUDAISM: CUSTOMS, PRACTICES, BELIEFS** (3) A basic understanding of Judaism and its component parts. Brief overview of Jewish history and study of holidays and life-cycle experiences. (Sponsored by the Jewish Chautauqua Society.)
- THEO 353 **THE HOLOCAUST** (3) The Holocaust in Europe during the Hitler period. Analysis of the causes and background of the destruction of European Jewry. (Sponsored by the Jewish Chautauqua Society.)
- THEO 364 **RELIGION IN AN AGE OF SCIENCE** (3) Study of the recent findings of contemporary science concerning creation and human nature and the implications of these findings for Christian theology.
- THEO 370 **THE REFORMATION** (3) Protestant, Catholic, and "Anabaptist" attempts to revitalize a Christianity insufficiently Christian.
- THEO 377 **THE CHURCH AND REVOLUTION** (3) 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.
- THEO 378 **HISTORY OF CHRISTIAN MONASTICISM** (3) Designed to introduce the variety of forms of Christian piety 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.
- THEO 380 **CATHOLICITY, PLURALISM AND DISSENT** (3) 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.
- THEO 388 **THEOLOGY & ECOLOGY: THE LIBERATION OF LIFE** (3) 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.
- THEO 389 **CHRISTIAN DOCTRINE TODAY** (3) A study of contemporary systematic issues or figures. (For majors and other qualified students.)

- THEO 390 **SENIOR SEMINAR (3)** Review of different theological methodologies and their implications for the church and for the doctrines of God and Christ.
- THEO 495 **DIRECTED STUDY** Credit to be arranged.

Graduate Courses

- THEO 502 **CHRISTIAN TRADITION AND THE TASK OF UNDERSTANDING (3)** Enables the student to confront fundamental elements of the Christian tradition and to become aware of the need for a critical methodology.
- THEO 503 **NEW TESTAMENT ETHICS (3)** A critical examination of the language and phenomenon of power in the New Testament in order to interpret the forces determining our existence and the possibilities of human liberation.
- THEO 505 **GOSPEL OF MARK: THE DRAMA OF DISCIPLESHIP (3)** 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.
- THEO 511 **PAUL'S CONCEPT OF COMMUNITY (3)** Dialogue on three levels: with Paul, with our own traditional understandings of community, and our present communal experience.
- THEO 515 **PROPHETIC FAITH IN ISAAH (3)** 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.
- THEO 517 **JEREMIAH: PROPHET OF A JUST SOCIETY (3)** 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.
- THEO 518 **EXILIC AND POST-EXILIC PROPHETS (3)** Study of the historical setting, the literary styles, and the religious concerns of the prophets Jeremiah, Ezekiel, and Second Isaiah.
- THEO 530 **CONTEMPORARY CHRISTOLOGIES (3)** A study of various systematic approaches to the mystery of Christ and specific Christological models.
- THEO 531 **GOD: PROBLEM AND MYSTERY (3)** 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).
- THEO 533 **THE UNIQUENESS OF CHRIST (3)** The course will explore how Christians can affirm the uniqueness of Jesus in a world of newly experienced religious pluralism.
- THEO 538 **RELIGIOUS EDUCATION TODAY (3)** A study of the foundations of religious education: faith, religion, belief, theology, and education. In addition, an historical overview of the development of catechesis.
- THEO 540 **MODERN CATHOLIC SOCIAL TEACHING (3)** 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.
- THEO 545 **MORAL THEOLOGY SINCE VATICAN II (3)** Recent developments in Christian ethics: methods in moral decision-making, conscience and authority, sexuality, human rights, divorce, business, bioethics, war and the arms race.
- THEO 553 **PSALMS AND WISDOM LITERATURE (3)** In-depth study of the prayers used by Israel in public and private worship; and of the Wisdom literature of Israel, with emphasis on Job, Proverbs, Ecclesiastics, and Sirach.
- THEO 559 **CHRISTIAN SPIRITUALITY: PAST AND PRESENT (3)** History of Christian spirituality and themes of contemporary spirituality.
- THEO 564 **KEY THEMES IN THE HISTORY OF CHRISTIAN THOUGHT (3)** Examination of how significant theologians in different centuries have dealt with major issues. Representative figures include Origen, Augustine, Anselm, Aquinas, Luther, and Calvin.

- THEO 565 **MYSTICISM EAST-WEST** (3) 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.
- THEO 567 **DIALOGUE AND ECOLOGY** (3) Review of present-day efforts of Christians to develop an ecological theology and exploration of how contemporary Buddhists are reinterpreting their tradition to show how Buddhism has special resources for an ecological consciousness and ethic.
- THEO 570 **PROCESS THEOLOGY** (3) Evaluation of the use that contemporary theologians are making of process philosophy to reinterpret Christian tradition.
- THEO 573 **CATHOLICITY, PLURALISM AND DISSENT** (3) 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.
- THEO 581 **FAITH AND DOUBT IN MODERN LITERATURE** (3) Explanation of attitudes of faith and doubt in significant works of modern literature, philosophy, and theology.
- THEO 583 **CHRISTIAN INITIATION** (3) Begins with an analysis of Christian conversion against the background of contemporary theology and psychology. Explores the meaning of baptism, confirmation and penance as related to Christian Initiation.
- THEO 591 **THEOLOGY OF KARL RAHNER** (3) Analysis and discussion of key concepts in Rahner's thought: The human person, God, grace, Jesus Christ, Church and the Sacraments.
- THEO 606 **LIBERATION THEOLOGY** (3) Examination of the theological reflection arising in Latin America. Includes consideration of basic Christian communities, scripture as method of conscientization, and persecution of the witnessing Church.
- THEO 612 **INDIVIDUALISM AND THE COMMON GOOD** (3) Study of American individualism and its ethical implications in the light of the work of Robert Bellah and others.
- THEO 657 **WOMEN MYSTICS** (3) Studies the influence of religious women throughout the history of Christianity through a reading of six women's mystical treatises.
- THEO 666 **BOOK OF REVELATION** (3) Comparison with other apocalyptic and political thinking of its time. Subsequent use in history of Church and culture.
- THEO 672 **THEOLOGY AND CULTURE TO 1400** (3) 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.
- THEO 674 **THEOLOGY AND CULTURE SINCE 1700** (3) 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.
- THEO 695 **SPECIAL STUDY** (3).
- THEO 699 **MASTER'S THESIS** (6).

SPECIAL COLLEGE PROGRAMS

THE MASTER OF ARTS IN HUMANITIES

"THE HUMAN SEARCH FOR MEANING AND VALUES" is the integrating theme of the interdisciplinary humanities program. It is designed to provide intellectual stimulation, personal growth, and self-satisfaction for mature adults who believe that learning should be an exciting, life-long experience.

The program is intended especially for established adults who wish to continue their education on a part-time basis. Courses are available in the evening for the convenience of those with family or job responsibilities during the day. Initial courses in the program are structured so as to facilitate the return of those who have been away from academic life for some time.

The program is both focused and flexible. It requires the successful completion of thirty semester hours of graduate course work. Fifteen of these hours constitute the program's core. They provide extensive opportunities for reading, discussion, and critical analysis in the humanities: literature, history, philosophy/theology, and the fine arts. Some core courses are taught by faculty teams representing different disciplines.

Core Requirements

- THE WESTERN INTELLECTUAL TRADITION I-VI (HUMN 501-506, 3 cr. hrs each) Students must take one pair of these courses (HUMN 501-502, HUMN 503-504, or HUMN 505-506); the others may be taken as electives.
- LANGUAGE OF THE HUMANITIES (HUMN 511, 3)
- THE QUEST FOR MEANING AND VALUES (3), satisfied by completing an approved course in either philosophy or theology.
- LITERATURE AND THE HUMAN IMAGINATION (3), satisfied by taking an approved course in literature.

Elective Courses

- 15 hours chosen from approved courses in the humanities, liberal arts, and social sciences. Through these elective courses students may tailor the program to their individual interests. Provision is made for independent study opportunities and for short-term as well as semester-length courses. At least 60% of the course work must be in courses numbered 500 or above.

With its orientation toward personal growth and self-satisfaction, the Master of Arts in Humanities is clearly not a research program. There is no foreign language requirement or formal research thesis. Each student must, however, prepare an acceptable humanities essay or alternative project at the conclusion of the course of study.

Admission is open to any interested person with a bachelor's degree and a good academic record, regardless of undergraduate major. There are no other prerequisites. Graduate Programs admissions procedures and specific requirements must be followed. In addition, each prospective student must submit to the Director a letter which (a) describes the applicant's career since receiving the bachelor's degree, and (b) indicates the applicant's reasons for seeking admission to the program. Applicants are strongly encouraged to meet with the Director prior to registering for courses.

BACHELOR OF LIBERAL ARTS

The Bachelor of Liberal Arts is designed for adult transfer students who are interested in taking courses in new disciplines. The free 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 and is only 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 Bachelor of Liberal Arts

Core Curriculum Requirements (see pp. 60-61): 64 hours

Upper Division Studies Requirement:

- 38 hours of upper division work, with no more than 21 hours from one department or area.
- It is recommended that these 38 hours be distributed across two concentrations.
- No more than 30 hours in business courses and no more than 12 hours in any one business major may be applied to the degree.

Free electives: 18 hours.

Total of 120 hours required for the degree.

ASSOCIATE OF ARTS IN LIBERAL ARTS

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 and is only available to students who have graduated from high school not less than two years prior to the date of acceptance into the program.

Requirements for the Associate of Arts in Liberal Arts

Core Curriculum Requirements (see p. 62): 28 hours.

Upper Division Studies Requirement: 20 hours of upper division coursework.

Free electives: 12 hours.

Total of 60 hours required for the degree.

PREMORTUARY SCIENCE CURRICULUM

Most states require one or two years of general college coursework prior to admission into mortuary college. Xavier University offers a specific two-year non-degree curriculum for students who wish to earn the Bachelor in Mortuary Science degree from the Cincinnati College of Mortuary Science. The program consists of two years at Xavier followed by five academic quarters at the Cincinnati College.

It should be noted that Xavier and CCMS are two separate institutions and that students need to complete two admissions procedures. Xavier offers the pre-mortuary science curriculum, and CCMS offers the mortuary science curriculum and awards the Bachelor in Mortuary Science degree, which is a professionally oriented degree at the baccalaureate level.

The requirements for this 60-hour program are:

Required Courses - 21 hours

EN 101, SO 101, PS 101, CA 101, EC 205 and 206, MK 300

Elective Courses - 39 hours

6 hours of History (100-level)

12 hours of Humanities (6 hours Lit.)

3 hours of Theology/Philosophy

6 hours of Biology

6 hours of Mathematics

6 hours of Free Electives

Call the Center for Adult and Part-time Students at 745-3355 for more information.

COLLEGE OF BUSINESS ADMINISTRATION

The mission of the College of Business Administration is to educate students, within an Ignatian framework, to become manager-leaders who fully utilize their skills and presence to continuously improve their organizations and the global society in which they live.

Staff: Dr. Daniel Geeding, dean; Dr. Marcia Ruwe, associate dean-undergraduate; Ms. Nancy Tom associate dean-graduate; Dr. Phillip Jones, associate dean-CMPD and Executive MBA program.

DEGREE PROGRAMS AND COURSES

The College of Business Administration offers degrees at the Bachelors, Associates, and Masters levels, and a minor at the Bachelor level.

The Bachelor of Science in Business Administration (BSBA)

The Bachelor of Science in Business Administration (BSBA) is offered in the following majors: Accounting, Economics, Entrepreneurial Studies, Finance, General Business, Human Resources, Information Systems, Management, and Marketing. The degree programs provide the student with a broad preparation in the field of business administration together with an intensive study in the chosen major. Additionally, the degree integrates the concept of a liberal education, since the student in the College of Business Administration also fulfills the university core curriculum. At least half of the business courses required for a BSBA must be taken at Xavier. The BSBA consists of:

University Core Curriculum (see pp. 60-61), 64 hours, including,

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Sciences: ECON 200 Microeconomics, ECON 201 Macroeconomics
- Science: At least 3 hours of Psychology: PSYC 121, PSYC 122
- Philosophy: PHIL 321 Business Ethics is suggested as the ERS focus elective.

Business Core Requirements: 35 hours. A 2.000 grade point average must be achieved in the business core and ECON 205, 206.

Course No.	Subject	Sem. Hrs.
INFO 100	Business Computer Concepts	1
ACCT 200	Introductory Financial Accounting	3
ACCT 201	Introductory Managerial Accounting	3
DECS 200	Intermediate Statistics	3
DECS 201	Quality and Productivity in Organizations	3
FINC 300	Business Finance	3
BLAW 300	Legal Environment	3
ECON 300	International Trade & Business Environment	3
MKTG 300	Principles of Marketing	3
MGMT 300	Organizational Behavior	3
INFO 300	Management of Information Technology	2
MGMT 301	Business Communication	2
BUAD 400	Policy, Ethics and the Workforce	3

Major: 18 hours, except Accounting which is 21 hours. See succeeding pages for specific major requirements.

Electives:

- 6 hours of upper division business courses outside major
- 3 hours elective.

NOTE: Business course credit received ten or more years ago will not be accepted as transfer credit or re-admit credit toward current requirements.

Requirements for the Minor in Business Administration

- 19 hours of Business courses designed to offer the non-business major an introduction to business: INFO 100, ACCT 200, ACCT 201, ECON 200, ECON 201, MKTG 300, MGMT 300.
- A 2.000 cumulative average must be attained in these courses.

The Associate Degree in Business

The Associate Degree in Business requires 61 semester hours. The student must complete at least 30 hours at Xavier University which includes 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 towards the Bachelor Degree.

Requirements for the Associate Degree in Business

University Core Requirements: 31 hours

E Pluribus Unum	1	History (1st level)	3
English Composition	3	Literature & the Moral Imagination	3
Fine Arts	3	Introduction to Theology	3
Ethics as Intro. to Philosophy	3	PHIL 290 or Theology elective	3
Calculus	3	General Statistics	3
General Experimental Psychology & Lab	3		

Business Courses: 30 hours

Course No.	Subject	Sem. Hrs.
INFO 100	Business Computer Concepts	1
ACCT 200	Introductory Financial Accounting	3
ACCT 201	Introductory Managerial Accounting	3
ECON 200	Microeconomics	3
ECON 201	Macroeconomics	3
BLAW 300	Legal Environment	3
MGMT 300	Organizational Behavior	3
MKTG 300	Principles of Marketing	3
DECS 201	Quality and Productivity in Organizations	3
MGMT 201	Business Communication	2
FINC 300	Business Finance	3

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

BUSINESS ADMINISTRATION (BUAD)**Interdisciplinary Courses**

- BUAD 400 POLICY, ETHICS, AND THE WORKFORCE (3)** Designed to educate students to become manager-leaders who appreciate the contribution and diversity of workers, to integrate ethical and value concerns with the role of human resources in business settings, to apply ethical perspectives to real world business situations, and to understand the influence of political, environmental, and technological policy considerations on organizations and workers. Prerequisite: BLAW 300, ECON 201, MGMT 300.
- BUAD 680 DOING BUSINESS IN ASIA (3)**
- BUAD 681 DOING BUSINESS IN EUROPE (3)**
- BUAD 699 BUSINESS POLICY AND STRATEGY (3)** Integration of the content of all core courses through the analysis of cases in business production and service industries. Prerequisites: ALL core courses and final semester in program.

THE MASTER OF BUSINESS ADMINISTRATION

The Master of Business Administration Program at Xavier University is designed to meet the 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 a study in participative learning: case analyses, lectures, group projects, and computer-based assignments and simulations. Faculty expertise, updated curriculum and contemporary methods of instruction enable Xavier MBA students to acquire the basic disciplines and skills of business. Students develop problem-solving and decision-making abilities and the capacity for continued learning.

MBA program applicants must take the Graduate Management Admission Test prior to admission. Test application forms may be obtained from Xavier's MBA Office or by writing directly to: Educational Testing Service, Box 966, Princeton, NJ 08541. Persons holding the PhD, MD, or JD degrees may be exempt from the GMAT.

Information regarding the MBA program may be obtained from the MBA Office at (513) 745-3525.

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 any additional regulations contained in the MBA Program Bulletin.

MBA REQUIREMENTS

<i>Courses</i>	<i>Sem. Hrs.</i>	<i>Courses</i>	<i>Sem. Hrs.</i>
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Level I Coursework:

ECON 501 Economic Analysis	4	MKTG 501 Marketing Concepts	3
ACCT 501 Financial Accounting	3	DECS 501 Managerial Statistics	3
MGMT 502 Business Communication	2	FINC 501 Corporate Finance	3
MGMT 503 Production Management	2	INFO 501 Mg'l Computer Applications ...	3
BLAW 500 Legal Environment	2	DECS 503 Intro to Management Science ...	2

Level I of the MBA program is a series of required, introductory courses intended for the student with dated, (taken over 7 years ago), minimal, or no previous coursework in the area. At the time of admission, a counselor will advise the student of needed Level I courses. Level I courses are limited to fully admitted MBA students.

Level II Coursework:

ECON 601 Economic Environment	3	FINC 601 Managerial Finance	3
ACCT 601 Managerial Accounting	3	DECS 601 Cases & Techniques in	
MGMT 601 Organizational Behavior	3	Management Science	3
MKTG 601 Marketing Strategy	3		

The six required core courses in Level II provide comprehensive understanding of the basic disciplines relevant to management and the functional areas of business operation.

Capstone:

BUAD 699 Business Policy & Strategy 3

Material from all core courses is integrated in the capstone course, which is taken after all Level I and core courses have been completed.

Business Electives

4 Business Electives 12

MBA students may take all elective courses in one discipline or from different areas of interest. Students wishing to concentrate in a specific field should refer to the MBA Program Bulletin for concentration requirements. Concentrations include: Applied Business Economics, Finance, Human Resources, International Business, Management Information Systems, Marketing, Quality Improvement, and Taxation.

EXECUTIVE MBA PROGRAM

The Executive MBA Program provides the opportunity for upper level managers and executives to sharpen their managerial skills and broaden their perspectives while maintaining their current positions in the respective 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 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.

A separately run program from Xavier's traditional MBA Program, the Executive MBA Program commences once a year in early November and runs for 19 months. Classes are concentrated into one day per week, alternating between Fridays and Saturdays. Admission is based on undergraduate records, GMAT scores, business experience and evidence of strong company support.

Information regarding the Executive MBA Program may be obtained from the director at (513) 745-3412.



THE DEPARTMENT OF ACCOUNTING AND LAW

The Department of Accounting and Law offers the Bachelor of Science in Business Administration in Accounting degree.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION IN ACCOUNTING

The academic major in accountancy is designed to educate persons who intend to pursue careers in the accounting profession and to serve as a catalyst to begin preparation for the CPA, CMA, and CIA examinations. The upper division courses in the major focus on accounting theory, information systems, cost accounting, taxation, and auditing.

The Department is developing a program to meet the 150 hour education requirement to sit for the CPA examination. The hours beyond those necessary to complete the undergraduate curriculum will be applied toward a graduate degree. At the current time, the requirement will become effective in twenty-six states by the year 2000.

Requirements for the Accounting Major (BSBA)

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Science: ECON 200, 201, Microeconomics, Macroeconomics
- Science: PSYC 121, 122, at least 3 hours of psychology as a lab science
- Philosophy: PHIL 321 Business Ethics is suggested as the ERS focus elective

Business Core Requirements (see p. 141): 35 hours

Major Requirements

- 21 hours of Accounting courses above the Business Core: ACCT 300, 301, 311, 321, 411, 421, 495.
- A 2.000 average must be attained in the Accounting courses.
- Any courses taken at another institution must be approved by the department.

Electives:

- 6 hours of upper division business courses outside major.
- 3 hours of electives.

Accounting and Law

Staff: MS. ALLEN *chair*; DR. DEVINE, MR. FIORELLI, DR. O'CLOCK, DR. ROONEY, MR. SCHUTZMAN, MR. SMITH, DR. SURDICK, MR. VANDERBECK, DR. WILLIS

Accounting (ACCT)

Lower Division Courses

- ACCT 200 **INTRODUCTORY FINANCIAL ACCOUNTING** (3) Study of the financial accounting model, its concepts and principles, and basic accounting information systems. Prerequisite: sophomore status.
- ACCT 201 **INTRODUCTORY MANAGERIAL ACCOUNTING** (3) Management's use of accounting data in planning operations, controlling activities, and making decisions for business and nonbusiness organizations. Prerequisites: ACCT 200, INFO 100, and MATH 156.

Upper Division Courses

- ACCT 300 **INTERMEDIATE FINANCIAL ACCOUNTING I** (3) Study of financial accounting theory and principles applicable to the accumulation, analysis, measurement, reporting, and interpretation of selected economic phenomena of enterprise operations. The first of a two course sequence. Prerequisites: Minimum grade of "C" in ACCT 200 and ACCT 201.
- ACCT 301 **INTERMEDIATE FINANCIAL ACCOUNTING II** (3) The second of a two course sequence focusing on the study of financial accounting theory and principles. Prerequisite: Minimum grade of "C" in ACCT 300.
- ACCT 311 **INTRODUCTION TO TAXATION** (3) Introduction to the Federal Tax Law and the taxation of individuals, corporations, partnerships, gifts, estates and trusts. Prerequisite: ACCT 200.
- ACCT 315 **SMALL BUSINESS TAX PROBLEMS** (3) Study of taxation with special emphasis on the problems of small business. Topics covered include capital gains, cost recovery, deferred compensation, and non-taxable exchanges. Prerequisite: Minimum grade of "C" in ACCT 311.
- ACCT 321 **COST ACCOUNTING** (3) The study of the process of identifying, measuring, accumulating, interpreting and communicating information that assists managers in achieving organizational goals. Prerequisites: Minimum grade of "C" in ACCT 200 and ACCT 201.
- ACCT 350 **FINANCIAL ANALYSIS FOR MANAGERS** (3) An overview for non-accounting majors of corporate financial reporting emphasizing the areas of financial statement presentation, disclosure and analysis. Prerequisite: ACCT 201.
- ACCT 399 **TUTORIAL IN TAXATION OF PARTNERSHIPS AND CORPORATIONS** (3) Permission of department and dean required.
- ACCT 411 **ACCOUNTING INFORMATION SYSTEMS** (3) An introduction to the design, development, and implementation of manual and computer-based accounting information systems, with an internal control emphasis. Prerequisites: Minimum grade of "C" in ACCT 301 and ACCT 321.
- ACCT 421 **AUDITING** (3) Studies the planning and execution of audits of financial statements. Includes evaluation of internal control, testing transactions and account balances, design of audit procedures, and interpretation and reporting of audit results. The role of auditing in capital markets is also studied. Prerequisites: Minimum grade of "C" in ACCT 301 and ACCT 411.
- ACCT 475 **ADVANCED BUSINESS LAW FOR ACCOUNTANTS** (3) Topics include: contracts, secured transactions, commercial paper, suretyship, property, mortgages, and bankruptcy. Prerequisite: BLAW 300.
- ACCT 495 **ADVANCED STUDY IN ACCOUNTING** (3) An integrative study of the theory and practice of accountancy with application to business and nonbusiness enterprises. Prerequisites: Minimum grade of "C" in ACCT 301 and ACCT 411.

Graduate Courses

- ACCT 501 **FINANCIAL ACCOUNTING** (3) The study of the financial accounting model, its concepts and principles, and basic accounting information systems.
- ACCT 601 **MANAGERIAL ACCOUNTING** (3) The use and interpretation of accounting information for management decision making, planning, control and performance evaluation. Prerequisites: ACCT 501, FINC 501, DECS 501, and DECS 503.
- ACCT 602 **SURVEY OF TAXATION** (3) Introduction to the Federal Tax Law and the taxation of individuals, corporations, partnerships, gifts, estates, and trusts.
- ACCT 645 **SMALL BUSINESS TAX PROBLEMS** (3) Study of taxation with special emphasis on the problems of small business. Topics covered include capital gains, cost recovery, deferred compensation, and non-taxable exchanges. Prerequisite: ACCT 602.
- ACCT 646 **TAXATION OF PARTNERSHIPS AND CORPORATIONS** (3) Topics include formation of corporations and partnerships, S corporations, personal holding companies, etc. Prerequisite: ACCT 602.

- ACCT 647 **TAX RESEARCH AND PRACTICE (3)** Tax research concerning regulations governing CPA's, attorneys, statutes of limitation, rules of evidence, etc. Prerequisite: ACCT 602.
- ACCT 648 **TAXATION OF GIFTS, ESTATES, AND TRUSTS (3)** 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. Prerequisite: ACCT 602.
- ACCT 655 **ADVANCED MANAGERIAL ACCOUNTING (3)** A study of management planning and control systems and the decision making processes in different organizational structures. Prerequisites: ACCT 601, FINC 601, and MGMT 601.
- ACCT 659 **TAXATION OF PARTNERSHIPS AND CORPORATIONS - ADVANCED (3)** Topics including liquidations, reorganizations, redemptions, etc. Prerequisite: ACCT 646.
- ACCT 695 **INDIVIDUAL READINGS AND RESEARCH (2-3)** Open to especially qualified students with the consent of the chairman of the appropriate department and dean.

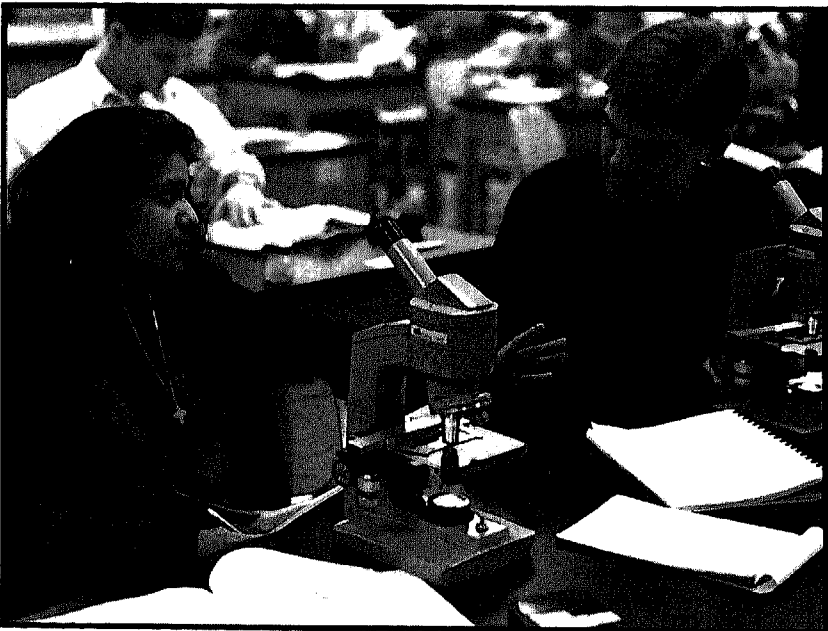
LAW (BLAW)

Upper Division Course

- BLAW 300 **LEGAL ENVIRONMENT (3)** Provides a background in the legal environment of business. Topics include: Business entities, employment discrimination, jurisdiction, and products liability. Prerequisite: junior status.

Graduate Course

- BLAW 500 **LEGAL ENVIRONMENT (2)** An introduction to legal questions as they relate to the business world. Topics include: contracts, formation of different business entities, business torts, and product and service liability.



THE DEPARTMENT OF ECONOMICS AND HUMAN RESOURCES

The Department of Economics and Human Resources offers the Bachelor of Science in Business Administration degree in Economics and in Human Resources. The Department also offers a Bachelor of Arts in Economics degree through the College of Social Sciences; see page 162.

THE BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION IN ECONOMICS

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. Economic 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

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Science: ECON 200, 201, Microeconomics, Macroeconomics
- Science: PSYC 121, 122
- Philosophy: PHIL 321 Business Ethics is suggested as the ERS focus elective.

Business Core Requirements (see p. 141): 35 hours.

Major Requirements: 18 hours

- 18 hours of Economics courses above the Business Core: ECON 305, 306, 470, 9 hours of economics electives, at least 3 hours of which must be at the 400-level.
- One Human Resources course other than HRES 320, 330 or 497 may be substituted for one 300 level economics elective.
- A 2.000 cumulative average must be attained in the Economics courses.

Electives:

- 6 hours of upper division business courses outside the major.
- 3 hours electives.

THE BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION IN HUMAN RESOURCES

In today's increasingly complex business world, there is a need for human resources and industrial relations leaders with well-rounded professional training. Although the primary goal of the program is to provide the professional training necessary for graduates to obtain human resources and industrial relations jobs, the major should be especially appealing to students with broad interests. Reflecting this broad approach, the field of human resources and industrial relations is studied from economic, political, psychological, and legal perspectives. For example, some courses, such as Industrial Psychology, are approached from a psychological perspective, while others such as Human Resources Law are approached from a legal perspective. In still other courses, such as Labor Relations, Personnel Administration and Current Human Resources Issues, economic, psychological and legal perspectives are combined into a single course.

In sum, the major is sufficiently broad to appeal to students with wide interests, yet specific enough to provide the necessary professional skills that are attractive to prospective employers. The human resources major prepares graduates for professional positions in human resources,

industrial relations, and government work. It also serves as excellent preparation for graduate programs in human resources management or industrial relations, as well as for law school.

Requirements for the Human Resources Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Science: ECON 200, 201, Microeconomics, Macroeconomics
- Science: PSYC 121, 122
- Philosophy: PHIL 321 Business Ethics is suggested as the ERS focus elective

Business Core Requirements (see p. 141): 35 hours

Major Requirements

- 18 hours of Human Resources courses: HRES 301, 495, and twelve hours of electives. HRES 302 is strongly recommended. One non-Business Core Economics course may be substituted for an HRES elective.
- MGMT 320 is strongly suggested as one of the business electives.
- A 2.000 cumulative average must be attained in the Human Resources courses.

Electives:

- 6 hours of upper division business courses outside the major.
- 3 hours electives

Economics and Human Resources

Staff: DR. H. BRYANT, *chair*; DR. ABU-RASHED, DR. BERTAUX, DR. COBB, DR. DONNELLY, DR. GERRING, DR. MARMO, DR. RANKIN, DR. RASHED, DR. WEINBERG, DR. ZIMMERMAN

Economics (ECON)

Lower Division Courses

- ECON 200 **MICROECONOMIC PRINCIPLES** (3) Principles governing the efficient allocation of the nation's scarce resources. Economic behavior of consumers, producers, and resource owners. Prerequisite: sophomore status.
- ECON 201 **MACROECONOMIC PRINCIPLES** (3) 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. Prerequisite: ECON 200.

Upper Division Courses

- ECON 300 **INTERNATIONAL TRADE & BUSINESS ENVIRONMENT** (3) An analysis of international trade and finance; the behavior of the multinational enterprise; the impact of global economy on traditional business strategies. Prerequisite: ECON 201.
- ECON 301 **MONEY AND BANKING** (3) Principles of money, credit and depository institutions. Analysis of monetary policy, international monetary conditions, and the role of the Federal Reserve in money management. Prerequisite: ECON 201.
- ECON 305 **MICROECONOMIC ANALYSIS** (3) An in-depth study of consumer behavior, production costs, the firm, market structure, factor markets, and general equilibrium analysis. Prerequisite: ECON 201.
- ECON 306 **MACROECONOMIC ANALYSIS** (3) Theoretical foundations of understanding GNP, inflation, unemployment, and economic growth. Controversies in modern macro theory. Prerequisite: ECON 201.
- ECON 315 **HISTORY OF ECONOMIC THOUGHT** (3) Ideas and theories of major contributors to economic thought including Smith, Mill, Marx, and Keynes. Primary sources will be used. Prerequisite: ECON 201.

- ECON 323 INTRODUCTION TO MATHEMATICAL ECONOMICS (3)** 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, MATH 150.
- ECON 330 COMPARATIVE ECONOMIC SYSTEMS (3)** Study of systemic properties of alternative capitalist, socialist, traditional, and utopian economies. Prerequisite: ECON 201.
- ECON 340 UNITED STATES ECONOMIC HISTORY (3)** Economic evolution of the U.S. from colonial times to the present. Prerequisite: ECON 201.
- ECON 341 ECONOMICS OF DEVELOPING COUNTRIES (3)** Analysis of the main problems of developing countries, methods of generating growth and development, and consideration of the international distribution of wealth. Prerequisite: ECON 201.
- ECON 390 TOPICS IN ECONOMICS (3)** Selected problems. Examples include: energy, natural resources, environmental and urban economics. May be taken for credit more than once. Prerequisite: ECON 201.
- ECON 406 ADVANCED MACROECONOMICS (3)** Detailed study of varying topics in macroeconomic analysis. Prerequisite: ECON 306.
- ECON 410 APPLIED ECONOMETRICS (3)** 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 or 306; DECS 200.
- ECON 430 INDUSTRIAL ORGANIZATION (3)** Basic conditions, market structures, conduct and performance of American industry. Public policy related to the problems of monopoly and business conduct. Prerequisite: ECON 305.
- ECON 440 PUBLIC FINANCE (3)** Role of government in the economy. An analysis of the principles of government expenditure and taxation. Prerequisite: ECON 305.
- ECON 450 INTERNATIONAL ECONOMICS (3)** Basis for trade between nations. Barriers to trade. Balance of payments. Exchange rate determination. Monetary and fiscal policies in an open economy. Prerequisite: ECON 305. Pre or Corequisite: ECON 306.
- ECON 460 LABOR ECONOMICS (3)** Analysis of labor market behavior. Issues of compensation, human capital investment, unionization, discrimination, and the influence of the labor market on the macro economy. Prerequisite: ECON 305.
- ECON 495 MANAGERIAL ECONOMICS (3)** Applied microeconomic analysis for decision-making within the business firm. Emphasis on forecasting, demand and cost estimation, pricing techniques, project and risk evaluation. Prerequisites: ECON 306, MATH 156.
- ECON 499 TUTORIAL COURSE (2-3)** Special reading and study for advanced students. Approval of department chair and dean required.

Graduate Courses

- ECON 501 ECONOMIC ANALYSIS (4)** An accelerated introduction to economics. Emphasis placed on the principles of microeconomics with a brief exposition of macroeconomic theory.
- ECON 601 ECONOMIC ENVIRONMENT (3)** Advanced course in the macroeconomic analysis of movements in real income, aggregate prices, interest rates, and factor prices using classical, Keynesian, and post-Keynesian models. Emphasis on the use of monetary and fiscal policy in an international economic environment. Prerequisite: ECON 501 or equivalent.
- ECON 602 MANAGERIAL ECONOMICS (3)** Economic analysis as applied to practical business operations. Topics include demand analysis, forecasting, cost analysis, and pricing techniques. Prerequisite: ECON 601.
- ECON 627 INTERNATIONAL ECONOMICS AND BUSINESS (3)** Growth and direction of trade, internationalization of businesses, role of governments. Mechanics of financing foreign trade and investment. Prerequisite: ECON 601.

- ECON 632 **BUSINESS FORECASTING** (3) Development and application of statistical techniques used in short-term forecasting. Prerequisites: DECS 501 or equivalent and ECON 601.
- ECON 635 **BUSINESS AND PUBLIC POLICY** (3) Various aspects of public sector activity in a market-based environment. Topics include analysis of market failure and economic efficiency, public sector intervention to correct market failure, antitrust and public utility regulation, topics in taxation, and other issues. Prerequisite: ECON 601.
- ECON 690 **SEMINAR: CURRENT ECONOMIC PROBLEMS** (3) Topics selected from current significant theory and policy issues. Prerequisite: ECON 601.
- ECON 695 **INDIVIDUAL READINGS AND RESEARCH** (2-3) Open to especially qualified students with the consent of the department chair and dean.

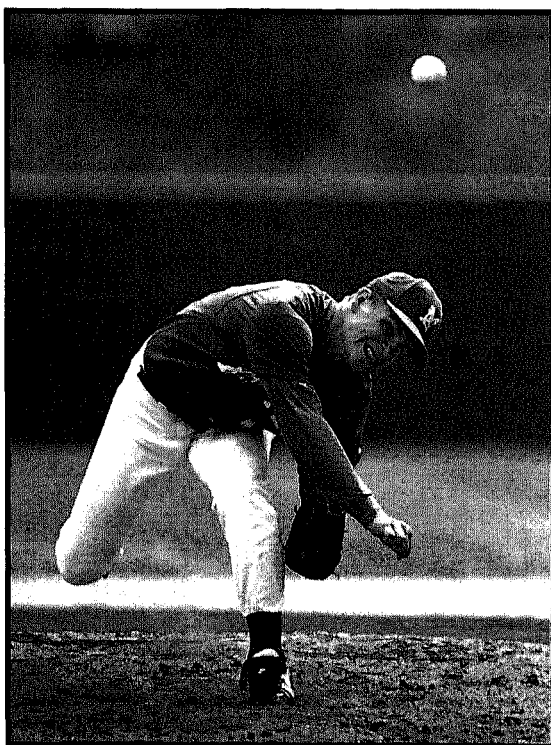
Human Resources (HRES)

Upper Division Courses

- HRES 301 **HUMAN RESOURCES** (3) A survey of workforce issues including labor force trends, diversity, compensation, income distribution, productivity, labor unions, and human resources law/public policy. Prerequisite: ECON 200.
- HRES 302 **LABOR RELATIONS** (3) Evaluation of collective bargaining as a method for dealing with issues and problems involved in union-management relations. Focus on relationships and contract negotiations. Mock negotiation used.
- HRES 305 **DISPUTE SETTLEMENT** (3) Analysis of the settlement of disputes in business; emphasis on contract administration and the arbitration process. Casework.
- HRES 313 **HUMAN RESOURCES LAW** (3) 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.
- HRES 330 **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) (MGMT 321, PSYC 321) Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement and practical application are emphasized.
- HRES 335 **WORKFORCE DIVERSITY** (3) Impact of demographic diversity on organizations. Examination of the problem of discrimination in U.S. labor markets, with primary attention to race and sex discrimination.
- HRES 340 **EMPLOYMENT TRAINING AND POLICY** (3) Analysis of programs and policies aimed at fully employing the workforce, especially the economically disadvantaged, minorities, women, and dislocated workers; including remediation, job training, and government employment programs.
- HRES 345 **COMPENSATION THEORY AND PRACTICE** (3) An examination of the logic and practices involved in programs for compensating employees.
- HRES 350 **BENEFITS** (3) A survey of the conceptual and legal framework for the design and delivery of employee pension and welfare benefit plans. Benefit plan design, cost analysis, administration and employee communications are covered.
- HRES 401 **MORALITY AND EMPLOYMENT ISSUES** (3) Uses leading philosophic concepts and normative principles to apply analytic and descriptive tools to critical workplace issues.
- HRES 495 **CURRENT HUMAN RESOURCES ISSUES** (3) Analysis of current human resource issues facing workers and their managers. Topics will vary to keep course current.
- HRES 499 **TUTORIAL: HUMAN RESOURCES** (2-3) Contents to be determined according to the needs of the student. Approval of department chair and dean required.

Graduate Courses

- HRES 608 **MANAGEMENT OF THE PERSONNEL FUNCTION (3)** (MGMT 608) Intended for those interested in career in the field, a broad range of personnel management issues using lectures, cases and applied projects. Prerequisites: MGMT 601, DECS 501.
- HRES 611 **DISPUTE RESOLUTION AND ARBITRATION (3)** Analyzes the settlement of disputes in business; emphasis on the settlement of union-management disputes as a framework for settling other types of disputes.
- HRES 612 **SEMINAR: COLLECTIVE BARGAINING (3)** An examination of contract negotiations as a tool for handling problems and issues in labor-management relations; alternatives to adversarial bargaining. Casework involved.
- HRES 613 **HUMAN RESOURCES LAW (3)** Analysis of current law dealing with labor-management relations, working conditions, discrimination, and individual employee rights.
- HRES 615 **PERSONNEL SELECTION AND PLACEMENT (3)** Principles underlying sound practices in personnel selection and placement. Job analysis, development and use of selection procedures, fair employment practices.
- HRES 617 **PERSONNEL TRAINING AND DEVELOPMENT (3)** An examination of the field of training and developing the workforce as it occurs in industry and government.
- HRES 619 **COMPENSATION ISSUES (3)** An examination of contemporary problems and issues involved in programs for compensating employees.
- HRES 695 **INDIVIDUAL READINGS AND RESEARCH (2-3)** Open to especially qualified students with the consent of the department chair and dean.



THE DEPARTMENT OF FINANCE

The Department of Finance offers the Bachelor of Science in Business Administration in Finance.

THE BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION IN FINANCE

The Bachelor of Science in Business Administration program in finance develops an appreciation of financial management and financial operation. Everyone majoring in finance must take basic 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

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Science: ECON 200, 201, Microeconomics, Macroeconomics
- Science: PSYC 121, 122
- Philosophy: PHIL 321 Business Ethics is suggested as the ERS focus elective

Business Core Requirements (see p. 141): 35 hours

Major Requirements

- 18 hours of Finance and Accounting courses: FINC365, 370, 401, 495, one Finance elective, ACCT 350 or 301.
- A 2.000 average must be attained in the Major Requirement courses.

Electives:

- 6 hours of upper division business courses outside the major.
- 3 hours electives

Finance (FINC)

Staff: DR. S. JOHNSON *chair*; DR. CAGLE, DR. GERDSEN, DR. GLASGO, DR. JANKOWSKA, DR. PAWLUKIEWICZ, DR. WEBB

Assisted by: MR. ROTHWELL (Professor Emeritus)

Upper Division Courses

- FINC 300 **BUSINESS FINANCE** (3) The basic principles and techniques used in the financial management of a business with special emphasis on the corporation. Prerequisites: ACCT 201, MATH 156.
- FINC 365 **INVESTMENTS** (3) Evaluation, selection and management of securities and portfolios including a study of theory using analytical approaches. Prerequisite: FINC 300.
- FINC 370 **FINANCIAL INSTITUTIONS** (3) A study of the operations and management of the major financial institutions in the U.S. and the regulatory environment in which they operate. Prerequisite: FINC 300.
- FINC 401 **FINANCIAL MANAGEMENT** (3) Financial theory and its applications to corporation finance. Prerequisite: FINC 300.
- FINC 433 **ENTREPRENEURIAL FINANCE** (3) Explores cash flow, valuation and financing issues of special concern to start-up businesses and closely held firms. Prerequisite: FINC 300.
- FINC 440 **PURCHASE, SALE, AND VALUATION OF CLOSELY HELD FIRM** (3) Study of methods and techniques for valuing closely held firms for analysis, purchase or sale. Prerequisite: FINC 300.

- FINC 450 TAX ASPECTS OF FINANCIAL DECISIONS (3)** Overview of the important tax consequences of financial decisions. Emphasis on ability to recognize symptoms of possible tax problems affecting business. Prerequisite: FINC 300.
- FINC 460 SECURITY ANALYSIS (3)** Review of fundamental analysis of intrinsic security analysis and technical timing tools. Prerequisite: FINC 365.
- FINC 465 OPTIONS AND FUTURES MARKETS (3)** Options and futures strategies, the valuation of options and futures, and the theory of hedging. Prerequisite: FINC 365.
- FINC 475 REAL ESTATE FINANCE (3)** Properties and principles of institutions, instruments, and methods used to finance commercial, industrial and residential real estate. Prerequisite: FINC 300.
- FINC 477 ANALYTICAL METHODS OF FINANCE (3)** Mathematical and quantitative techniques used in finance. Prerequisite: FINC 300.
- FINC 480 RISK MANAGEMENT AND INSURANCE (3)** 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.
- FINC 495 CASES AND PROBLEMS IN FINANCE (3)** Integrates the subjects of the core finance courses. Consists of case studies involving financial analysis, capital budgeting, capital structure, and related areas. Prerequisite: ACCT 350 or ACCT 301; FINC 401 and FINC 365, one as Prerequisite, one as Corequisite to this course.
- FINC 496 INTERNATIONAL FINANCE (3)** International monetary system, international money and capital markets, and financing of international business. Prerequisite: FINC 300.
- FINC 497 READINGS IN FINANCE (3)** Advanced reading and research in finance open only to seniors. Projects must have the approval of the department chair and dean.

Graduate Courses

- FINC 501 CORPORATE FINANCE (3)** The basic principles and techniques used in the financial management of a business with special emphasis on the corporation. Prerequisite: ACCT 501 or its equivalent.
- FINC 601 MANAGERIAL FINANCE (3)** In-depth study of corporate finance. Topics include capital budgeting, capital structure, financial analysis, and related corporate theory. Lectures, cases, readings. Prerequisites: FINC 501, DECS 501, or equivalents.
- FINC 602 INVESTMENT MANAGEMENT (3)** Evaluation, selection, and management of securities and portfolios. Includes a study of theory using analytical approaches. Prerequisite: FINC 601.
- FINC 620 TAXES AND FINANCIAL DECISIONS (3)** Overview of the important tax consequences of financial decisions, with emphasis on the financial executive's ability to recognize symptoms of possible tax problems affecting business. Prerequisites: ACCT 601, FINC 601.
- FINC 621 OPTIONS AND FUTURES MARKETS (3)** Options and futures strategies: the valuation of options and futures, the theory of hedging. Prerequisite: FINC 601.
- FINC 622 ENTREPRENEURIAL FINANCE (3)** Explores cash flow, valuation and financing issues of special concern to start-up businesses. Prerequisites: ACCT 601, FINC 601.
- FINC 623 CONTEMPORARY FINANCIAL INSTITUTIONS (3)** Trends affecting financial institutions and the financial system: deregulation, competition, overlap of functions between depository and non-depository financial institutions. Prerequisites: ECON 501, FINC 501, or equivalents.

- FINC 632 INTERNATIONAL FINANCE AND INVESTMENTS (3)** Background, techniques, and concepts necessary to invest in the global security market: overview of international economic environment, foreign exchange market, international finance, investment portfolios, equity, bond market and foreign currency futures and options, gold and gold-linked investments. Prerequisite: FINC 601.
- FINC 640 PURCHASE, SALE, AND VALUATION OF CLOSELY HELD FIRM (3)** Techniques for valuing closely held firms and methods of structuring a purchase or sale. Prerequisite: FINC 601.
- FINC 651 MONEY AND CAPITAL MARKETS (3)** Financial institutions and markets, the theory of interest rate determination, monetary policy, and fiscal policy. Prerequisite: FINC 501, or equivalent.
- FINC 653 PROBLEMS AND CASES IN FINANCE (3)** Case studies involving financial analysis, capital budgeting, capital structure, and related areas. Prerequisite: FINC 601.
- FINC 660 SECURITY ANALYSIS (3)** Review of fundamental analysis of intrinsic security analysis and technical timing tools. Prerequisite: ACCT 601.
- FINC 662 INVESTMENT MANAGEMENT II (3)** Portfolio theory, technical and fundamental analysis, efficient markets, bond management, international investments, options, futures. Prerequisites: FINC 601, FINC 602.
- FINC 663 FIXED INCOME AND DEBT MANAGEMENT (3)** Evaluation, selection, and management of fixed-income securities and debt positions. Prerequisite: FINC 601.
- FINC 675 REAL ESTATE FINANCE (3)** 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. Prerequisite: FINC 601.
- FINC 680 RISK MANAGEMENT AND INSURANCE (3)** Introduces a management approach for the handling of non-speculative risks confronting individuals and organizations. Emphasis is placed on the tactics, techniques, and strategies for risk managers in a corporate atmosphere and to insurance as a technique used to handle risk. Examination of employee benefit plans including group life, health, and retirement benefits. Current issues confronting risk managers, such as new insurance products, tort reform, environmental liability, risk retention groups, insurance cycles and crisis, etc., will also be explored. Prerequisite: FINC 501.
- FINC 685 FINANCIAL THEORY (3)** Examines the concepts and foundations of financial theories. Prerequisite: FINC 601 and FINC 602.
- FINC 695 INDIVIDUAL READINGS AND RESEARCH (2-3)** Open to especially qualified students with the consent of the chairman of the appropriate department and dean.



THE DEPARTMENT OF INFORMATION AND DECISION SCIENCES

The Department of Information and Decision Sciences offers the degree Bachelor of Science in Business Administration in Information Systems, and courses in Decision Sciences.

THE BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION IN INFORMATION SYSTEMS

The objectives of the Information System Program are to facilitate good management by:

1. providing specialized professional training in information systems principles and techniques.
2. stimulating the application of sound information systems to the wide range of business activities.
3. 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 programmer/analyst, systems analyst, or information systems manager. The INFO major is conducive to double majoring. Consult the college office for more details.

Requirements for the Information Systems Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Science: ECON 200, 201, Microeconomics, Macroeconomics
- Science: PSYC 121, 122
- Philosophy: PHIL 321 Business Ethics is suggested as the ERS focus elective

Business Core Requirements (see p. 141): 35 hours

Major Requirements

- 18 hours of Information Systems courses: INFO 350, 358, 364 or 367, 450, 495 and 3 hours of electives. INFO 495 is the integrative course for the major.
- A 2.000 average must be attained in the Information Systems courses.

Electives:

- 6 hours of upper division business courses outside major.
- 3 hours of electives.

Information and Decision Sciences

Staff: DR. CUNNINGHAM, *chair*; DR. BLACKWELL, DR. BRAUN, DR. CRABLE, DR. JOHNSON, DR. KLOPPENBORG, DR. WEBB

Academic Staff: MR. DUNE

Assisted by: MR. BECK, DR. BERES, MR. CAVANAUGH, MS. COURT, MR. HARRIS, DR. LANING, MS. LUZADER, DR. RUWE, MR. SCHEER, MR. SNOW, DR. THIERAUF

Information Systems (INFO)

Lower Division Course

INFO 100 **BUSINESS COMPUTER CONCEPTS** (1) A lab-based computer concepts course which introduces the basics of Disk Operating Systems along with introductions to word processing, spreadsheet and data base software.

Upper Division Courses

INFO 300 **MANAGEMENT OF INFORMATION TECHNOLOGY** (2) Introduction to computer-based information systems with an emphasis on the management of modern information technologies to support organizational operations. Prerequisite: INFO 100 and Junior status.

- INFO 350 **INTRODUCTION TO STRUCTURED PROGRAMMING (3)** Introduction to programming logic using BASIC with further introductions to structured programming techniques and data structures such as arrays and algorithms for searching and sorting. Prerequisite: INFO 100.
- INFO 357 **DATA COMMUNICATIONS AND NETWORKING (3)** Data communication fundamentals for networking and distributed processing. Communication protocols, SNA, DECNET, and local area networks. Prerequisite: INFO 350.
- INFO 358 **DATA BASE DESIGN AND MANAGEMENT (3)** The study of the theory of modeling enterprise activities in terms of their data. Data bases are implemented emphasizing the relational model. Prerequisite: INFO 350.
- INFO 359 **SMALL COMPUTERS FOR BUSINESS (3)** Analysis of the architecture of micro computers, workstations, and small mid-range computers, with emphasis on comparative operating systems and environments, along with an introduction to applications for the small computer environment. Prerequisite: INFO 350.
- INFO 360 **ARCHITECTURE AND ASSEMBLER (3)** See CSCI 255. Prerequisite: INFO 350.
- INFO 361 **ADVANCED ASSEMBLER (3)** See CSCI 256. Prerequisite: INFO 360.
- INFO 364 **APPLICATIONS PROGRAMMING IN COBOL (3)** Structured COBOL computer programming language with business applications. The emphasis is on writing professional programs. Prerequisite: INFO 350.
- INFO 367 **APPLICATIONS PROGRAMMING IN C (3)** Structured programming techniques using the C programming language for business applications. Prerequisite: INFO 350.
- INFO 372 **AI AND EXPERT SYSTEMS (3)** Introduction to artificial intelligence with emphasis on problem definition, knowledge extraction and application development of knowledge-based expert systems. Prerequisite: INFO 350 or permission of instructor.
- INFO 450 **SYSTEMS DEVELOPMENT PROJECT (3)** 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 using a structured life cycle approach. Special emphasis will be placed on team development and on quality control for the development of effective and efficient information systems. Corequisite: INFO 358. Prerequisite: INFO 300, INFO 350, DECS 201, FINC 300, MGMT 300, MKTG 300, or permission of instructor.
- INFO 490 **CONTEMPORARY PROBLEMS IN INFORMATION SYSTEMS (3)** Current problems and developments and future trends in the advancement of information science in business. Prerequisite: Senior status or permission of instructor.
- INFO 495 **SYSTEMS DEVELOPMENT PROJECT (3)** 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. Prerequisite: INFO 450.
- INFO 499 **TUTORIAL COURSE (2-3)** Research in scholarly journals on information systems. May also be used for a Senior Project. Open to students only with the consent of the department chair and dean.

Graduate Courses

- INFO 501 **MANAGERIAL COMPUTER APPLICATIONS (3)** Introduction to computer-based information systems technologies with an emphasis on how technology supports organizational decision-making. Includes word processing, spreadsheet and data base management software.
- INFO 602 **MANAGEMENT INFORMATION SYSTEMS (3)** Analysis and design of information systems for management with emphasis on current MIS environments; on-line real-time systems, distributed data processing systems, and decision support systems. A student project is required. Prerequisite: INFO 501 or equivalent.

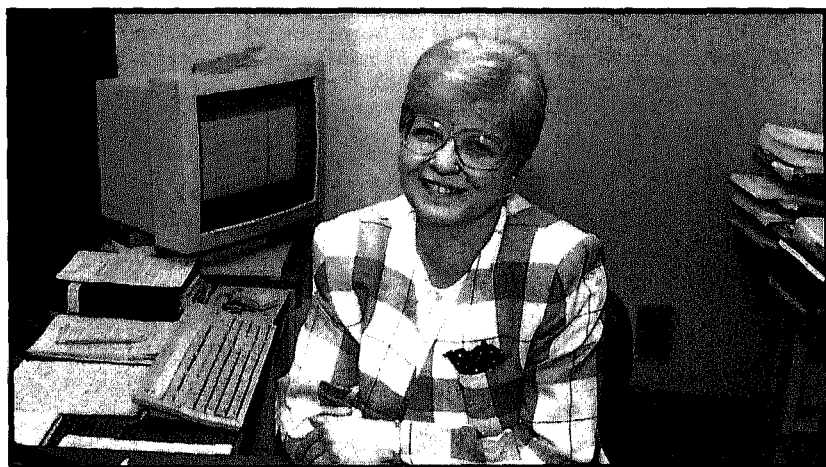
- INFO 608 **DATA BASE DESIGN (3)** A hands-on practitioner approach to the design and implementation of data bases as models of enterprise activities which are implemented as self describing integrated files. Emphasis on "soft" aspects of data base applications; however, the impact of operational physical (hard) aspects of data base design are also covered. Prerequisite: INFO 501 and proficiency in 3rd or 4th generation language.
- INFO 609 **MANAGERIAL ASPECTS OF MIS (3)** Planning and evaluating new management information systems (MIS), organizing aspects of MIS departments, motivation of MIS personnel, and controlling day-by-day MIS activities. A student project is required. Prerequisite: INFO 501.
- INFO 643 **INFORMATION SYSTEMS FOR QUALITY IMPROVEMENT (3)** Uses total quality management (TQM) principles to explore the role of information systems in the TQM initiatives of the firm, as well as exploring the function of TQM initiatives in the development and operation of information systems. Prerequisite: INFO 501.
- INFO 648 **DATA COMMUNICATIONS AND NETWORKS (3)** Digital transmission, software, data bases, error control, data link control, network architecture, LAN, distributed systems, and network design consideration. Prerequisite: INFO 501.
- INFO 649 **SMALL COMPUTERS FOR BUSINESS (3)** Analysis of the architecture of micro computers, workstations, and small mid-range computers, with emphasis on comparative operating systems and environments, along with an introduction to applications for the small computer environment. Prerequisite: INFO 501.
- INFO 650 **EXPERT SYSTEMS (3)** An introduction to artificial intelligence with emphasis on problem definition, knowledge extraction, and application development of knowledge based expert systems in a business environment. Prerequisite: INFO 501.
- INFO 651 **DECISION SUPPORT SYSTEMS (3)** Emphasis on user computer interaction in a structured or a semi-structured environment where the user has complete control throughout the problem-solving process. A student project is required. Prerequisite: INFO 501.
- INFO 653 **EXECUTIVE INFORMATION SYSTEMS (3)** Emphasis on executives interacting with computers to evaluate a company's overall and detailed performance. A student project is required. Prerequisites: INFO 602.
- INFO 695 **INDIVIDUAL READINGS AND RESEARCH (2-3)** Open to especially qualified students with the consent of the chairman of the appropriate department and dean.

Decision Sciences (DECS)

- DECS 200 **INTERMEDIATE BUSINESS STATISTICS (3)** Diagnosis of business problems and the generation of alternatives for improvement using statistical techniques. Topics include problem sensing, problem description, analysis of variance, regression and correlation and design of experiments. Prerequisites: MATH 156 and INFO 100.
- DECS 201 **QUALITY AND PRODUCTIVITY IN OPERATIONS (3)** 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 and waiting line models. Continual improvement of operations is stressed. Prerequisites: MATH 156 and INFO 100.
- DECS 410 **QUALITY PLANNING AND IMPROVEMENT (3)** 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. Prerequisite: DECS 250 or DECS 200 and 201.

Graduate Courses

- DECS 501 **MANAGERIAL STATISTICS (3)** Descriptive statistics, discussion of frequency distributions, exploratory data analysis and measures of central tendency, dispersion and skewness. Classical statistical inference, probability and probability distributions, sampling distributions, estimation, test of hypotheses, simple linear regression and correlation analysis, and an introduction to multiple regression analysis and computerized data analysis. Prerequisite: College Algebra.
- DECS 503 **INTRODUCTION TO MANAGEMENT SCIENCE (2)** An introduction to management science models and techniques. Topics include linear programming, transportation and assignment problems, project scheduling (PERT/CPM), inventory models, simulation, waiting line models, and decision analysis. The use of management science software is introduced. Prerequisites: DECS 501 and INFO 501 or equivalents.
- DECS 601 **CASES AND TECHNIQUES IN MANAGEMENT SCIENCE (3)** The analysis of business decisions using management science models and techniques. Emphasis is on forecasting, simulation, and quality management, project management linear programming. Assignments include analysis and presentation of cases and a term project consisting of an original application. Prerequisite: DECS 503 or equivalent.
- DECS 640 **QUALITY MANAGEMENT (3)** A comprehensive introduction to the core concepts and principles of total quality management. The quality management philosophies of Joseph M. Juran and W. Edwards Deming will be emphasized. In addition, students will investigate current examples of the practice of TOM in organizations and research a quality related topic of their choice. Prerequisites: DECS 501, MGMT 503.
- DECS 641 **PROJECT MANAGEMENT FOR QUALITY IMPROVEMENT (3)** This course uses project planning and control techniques in designing and implementing total quality management systems in organizations as well as in selecting and managing quality improvement projects. A group project is required. The course includes technical and managerial content. Prerequisites: DECS 601 and MGMT 601.
- DECS 642 **STATISTICS FOR QUALITY IMPROVEMENT (3)** The course objective is to provide a broad introduction to statistical tools relevant to addressing today's quality problems. Topics include control charts and process capability studies, full and fractional factorial capability studies, simple and fractional factorial experimentation, the Taguchi Method, Shainin Methods, EVOP philosophy, and an overview of the statistical components of quality function deployment. Prerequisite: DECS 501.



THE DEPARTMENT OF MANAGEMENT

The Department of Management offers the Bachelor of Science in Business Administration in three areas: Management, General Business, and Entrepreneurial Studies.

MANAGEMENT

The objectives of this program are to facilitate good management by:

1. providing education in the principles and practices of effective operation of the business organization.
2. enabling the student to handle a wide range of problems encountered in management.
3. helping to develop the student's leadership capabilities.

This degree is designed for individuals who have career aspirations as management trainees, personnel trainees, in business education, or in pre-law.

Students interested in teaching certification in business should consult with the chair of the Education Department for certification requirements.

GENERAL BUSINESS

The Bachelor of Science in Business Administration in General Business provides a broad, flexible program in business education that prepares students for a variety of careers, particularly students interested in Pre-Law or Pre-MBA preparation. The degree requires advanced study in a number of business areas, with the opportunity to take business electives pertaining to career choices.

ENTREPRENEURIAL STUDIES

Xavier's undergraduate major in Entrepreneurial Studies is designed to help prepare students to:

1. provide progressive leadership for existing family businesses,
2. start their own businesses, and/or
3. pursue corporate careers in creating and managing innovation.

The strength of our free enterprise economy depends heavily on entrepreneurs; individuals who identify new product or service opportunities, who develop workable plans for capitalizing on those opportunities, and who 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 the Department of Management

Core Curriculum Requirements (see pp. 60-61), 64 hours, including

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Science: ECON 200, 201, Microeconomics, Macroeconomics
- Science: PSYC 121, 122
- Philosophy: PHIL 321 Business Ethics is suggested as the ERS focus elective

Business Core Requirements (see p. 141): 35 hours

Electives:

- 6 hours of upper division business courses outside major.
- 3 hours of electives.

Major Requirements

BSBA in Management

- 18 hours in Management courses: MGMT 309, 310, 495, 9 hours of electives.
- ACCT 350, HRES 313, 340, 345, 335 are suggested courses for business electives for the management major.
- A 2.000 cumulative average must be attained in the courses of the major.

BSBA in General Business

- 18 credit hours over and above the College of Business core curriculum requirements. 15 hours must be selected from the following list; one course is to be selected from each of the 5 areas. The last course required is the integrative course MGMT 495.

Course No.	Subject	Sem.	Hrs.
1. ACCT 300	Intermediate Accounting		3
ACCT 311	Taxation of Individuals		
ACCT 321	Cost Accounting		
2. FINC 365	Investments		3
FINC 370	Financial Institutions		
FINC 401	Financial Management		
3. HRES 313	Personnel and Labor Law		3
HRES 345	Compensation Theory and Practice		
HRES 335	Workforce and Diversity		
ECON 301	Money and Banking		
ECON 330	Comparative Economic Systems		
4. MKTG 320	International Marketing		3
MKTG 345	Marketing Communications		
MKTG 355	New Product Development		
MKTG 370	Consumer Behavior		
5. MGMT 320	Personnel Administration		3
MGMT 309	Organizational Design and Development		
MGMT 311	Entrepreneurship		

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

BSBA in Entrepreneurial Studies

- Since successful entrepreneurs need to be generalists rather than specialists in only one business function, the Entrepreneurial Studies major is interdisciplinary in nature, providing advanced coursework in Management, Finance and Marketing, as well as a real world senior year capstone project, for a total of 18 hours of upper level work as follows (all courses listed are 3 semester hours):

A. REQUIRED (9 hours):

- ENTR 311 Entrepreneurship
- ENTR 341 Managing the Entrepreneurial Venture
- ENTR 495 Individual Project in Entrepreneurial Studies

B. MARKETING ELECTIVE (3 hours, choose 1 of the following):

- MKTG 302 Marketing Research
- MKTG 361 Promotion and Selling

C. Elective (6 hours, choose any 2 of the following)

- MKTG 302 Marketing Research
- MKTG 361 Promotion and Selling
- ACCT 350 Financial Analysis for Managers
- FINC 440 Purchase, Sale, and Valuation of Closely Held Firms
- FINC 475 Real Estate Finance
- MKTG 325 Marketing Services
- MKTG 355 New Product Development

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

All students declaring a major in Entrepreneurial Studies must consult the Director of the Xavier Entrepreneurial Center at the time they declare.

Management (MGMT)

Staff: DR. EUSTIS, *chair*; DR. BRODZINSKI, DR. BYCIO, DR. CLARK, DR. KLEKAMP, MS. KRISHNAN, DR. PARK, DR. SHRIBERG

Assisted by: MR. BAGLEY, MR. CORSON, MS. COUCH, DR. GEEDING, MR. LADD, MR. LAW, DR. MERRITT, MR. WALLACE

Upper Division Courses

- MGMT 300 **MANAGERIAL BEHAVIOR** (3) Lectures, cases, and experiential exercises are used to introduce the management functions of planning, organizing, staffing, leading and controlling.
- MGMT 301 **MANAGERIAL COMMUNICATIONS** (2) Essentials of communicating effectively in business with accent on written and oral communication skills. Open only to students whose programs are governed by the 1992 or subsequent catalogs.
- MGMT 306 **PRODUCTION MANAGEMENT** (3) A study of decision making tools and techniques used to allocate organizational resources in the production of goods and services. Prerequisites: MGMT 300, DECS 201.
- MGMT 308 **BUSINESS COMMUNICATIONS** (2) Essentials of communicating effectively in business with accent on written and oral communication skills. Open only to students entering Xavier prior to 1992.
- MGMT 309 **ORGANIZATION DESIGN AND DEVELOPMENT** (3) Theory and design of organizational systems, organization performance, culture and development. Prerequisite: MGMT 300.
- MGMT 310 **TEAM WORK AND TEAM BUILDING** (3) Analysis of forces controlling group formulation and development in business and organizational work situations. Techniques for analyzing and productively managing informal groups. Prerequisite: MGMT 300.
- MGMT 311 **ENTREPRENEURSHIP** (3) See ENTR 311.
- MGMT 314 **LEADERSHIP** (3) 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. Prerequisite: MGMT 300.
- MGMT 320 **PERSONNEL ADMINISTRATION** (3) Covers a broad range of personnel management issues, using lectures, cases and applied projects. Prerequisites: MGMT 300, DECS 200.
- MGMT 321 **INDUSTRIAL PSYCHOLOGY** (3) (HRES 330, PSYC 321) Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement and practical application are emphasized. Prerequisite: MGMT 300.
- MGMT 341 **MANAGING THE ENTREPRENEURIAL VENTURE** (3) See ENTR 341.
- MGMT 390 **CONTEMPORARY MANAGEMENT ISSUES** (3) Analysis of recent issues facing contemporary managers. Use of supplemental business sources to analyze and forecast trends that will affect managers in the 1990's and beyond. Prerequisite: MGMT 300.
- MGMT 495 **STRATEGY FORMULATION & IMPLEMENTATION** (3) Provides an opportunity to integrate business core and major related knowledge through the use of selected cases. Prerequisites: Senior status, FINC 300, MKTG 300, MGMT 300.
- MGMT 496 **SMALL BUSINESS CONSULTING** (3) Preparation of a consultant's report providing recommended solution to the problems facing a real business. Site visits required. Prerequisites: MKTG 300, FINC 300, ACCT 201, MGMT 300, plus permission of department chair.
- MGMT 499 **TUTORIAL COURSE: SENIOR LEVEL** (3) Research in scholarly journals on a management topic of current import. Open to students only with consent of instructor.

Graduate Courses

- MGMT 502 **BUSINESS COMMUNICATIONS** (2) Fundamentals of effective business communication; accent on written skills.
- MGMT 503 **PRODUCTION MANAGEMENT** (2) Explores strategies and techniques available for industry, labor, government and education that will lead to improvement in American industrial performance. Prerequisite: DECS 501.
- MGMT 601 **ORGANIZATIONAL BEHAVIOR** (3) This course surveys both the processes of management and the impact they have upon the behaviors of organizational stakeholders (i.e. leaders, co-workers, public domain and society in general). Prerequisites: MGMT 502, MGMT 503.
- MGMT 603 **MATERIALS MANAGEMENT** (3) Inventory management, purchasing, distribution and traffic operations in industrial firms. Focus on planning, measurement and control.
- MGMT 604 **MANAGEMENT PLANNING** (3) The planning function of management; intermediate and long-range planning. Prerequisite: MGMT 601.
- MGMT 608 **MANAGEMENT OF THE PERSONNEL FUNCTION** (3) (HRES 608) Intended for those interested in a career in the field, a broad range of personnel management issues are introduced using lectures, cases and applied projects. Prerequisites: MGMT 601, DECS 501.
- MGMT 611 **MANAGERIAL COMMUNICATIONS** (3) Advanced business communications course, oral and written. Concepts include: alignment with organizational objectives, perspective and positioning, logic and persuasion, graphic design, writing for diversity. Prerequisite: MGMT 502.
- MGMT 616 **MANAGEMENT OF STRESS** (3) Causes of stress are studied in a variety of environments and solutions to manage stress are developed. Prerequisite: MGMT 601.
- MGMT 622 **EXECUTIVE PRACTICES** (3) 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. Prerequisite: MGMT 601.
- MGMT 625 **MULTINATIONAL MANAGEMENT** (3) Planning international trade, sources of information, structuring multinational firms, personnel development, communication/motivation in cross-cultural perspective. Prerequisite: MGMT 601.
- MGMT 644 **MOTIVATION AND BEHAVIOR IN ORGANIZATIONS** (3) Role of motivation in performance within organizations, various concepts of motivation, leadership and group interaction are studied, with emphasis on research findings. Prerequisite: MGMT 601.
- MGMT 645 **THE HUMANISTIC MANAGER/LEADER** (3) Transactional Analysis, Gestalt Therapy, and Neurolinguistic Programming form the basis of this communications competency based course. Requires group participation, reading summaries, and journal-keeping. Prerequisite: MGMT 601 or permission of instructor.
- MGMT 695 **INDIVIDUAL READINGS AND RESEARCH** (2-3) Open to especially qualified students with the consent of the chair of the department and associate dean.

Entrepreneurial Studies (ENTR)**Upper Division Courses**

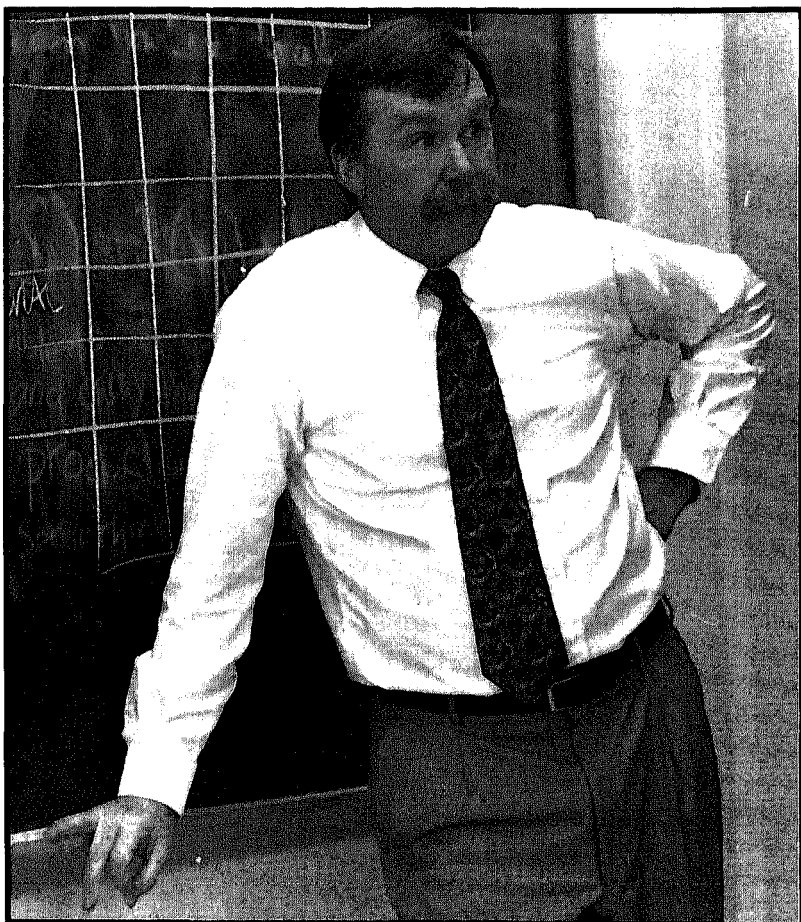
- ENTR 311 **ENTREPRENEURSHIP** (3) (MGMT 311) Identification and screening of business opportunities; analysis of personal, marketing, financial, and operational factors for startups/franchises/buyouts; writing a business plan; family business issues. Prerequisites: MKTG 300, FINC 300.
- ENTR 341 **MANAGING THE ENTREPRENEURIAL VENTURE** (3) (MGMT 341) Financial, legal, marketing, interpersonal, and organizational issues in owning/operating a small and growing business. Corequisite: ENTR 311.

- ENTR 495 **INTERNSHIP IN ENTREPRENEURIAL STUDIES** (3) An individual project contributing to the growth of a new or existing small business. Prerequisite: ENTR 311 or 341. Open to non-ENTR majors only with permission of the instructor.

Graduate Courses

- ENTR 696 **SMALL BUSINESS CONSULTING** (3) Students serve as consultants to small business enterprises. Site visits, problem analysis, preparation of a consultant's report providing recommended solutions. Prerequisites: all core courses.
- ENTR 698 **ENTREPRENEURSHIP** (3) Searching, screening, evaluating, negotiating, and financing for venture startup, franchising, or the purchase of an existing business. Prerequisites: ACCT 601, FINC 601, MKTG 601.

NOTE: The prefix ENTR (Entrepreneurial Studies) designates courses offered through the Management Department which are particularly relevant for students interested in Entrepreneurship. Other relevant courses may be found in the departmental listings for Marketing, Finance, and Accounting.



THE DEPARTMENT OF MARKETING

The Department of Marketing offers the degree Bachelor of Science in Business Administration in Marketing.

THE BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION IN MARKETING

Marketing is the dynamic process by which individuals and organizations strive to anticipate and satisfy consumers' needs and wants. In a free enterprise, freedom of choice society, this is accomplished through marketing research, product planning and pricing, promotion (advertising and selling), 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

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 Calculus, MATH 156 General Statistics
- Social Science: ECON 200, 201, Microeconomics, Macroeconomics
- Science: PSYC 121, 122
- Philosophy: PHIL 321 Business Ethics is suggested as the philosophy elective

Business Core Requirements (see p. 141): 35 hours

- Marketing majors are encouraged to take General Psychology (PSYC 101) as one of their free electives.

Major Requirements

- 18 hours of Marketing courses: MKTG 302, 404, 499, and 9 hours of electives in upper division marketing courses.
- A 2.000 average must be attained in the Marketing courses.

Electives:

- 6 hours of upper division business courses outside major.
- 3 hours of electives.

Marketing (MKTG)

Staff: DR. HAYES, *chair*; DR. AHUJA, DR. KUMPF, DR. NULSEN, DR. SCHERTZER, DR. SCHUSTER, DR. TREBBI, DR. VAN KIRK, DR. WALKER

Assisted by: MR. LAW, DR. SENSBACH

Lower Division Course

MKTG 300 PRINCIPLES OF MARKETING (3) Marketing concepts, functions, institutions, and policies. Marketing's role in society. Prerequisite for upper division courses unless waived by department chair. Prerequisite: Junior status.

Upper Division Courses

MKTG 302 MARKETING RESEARCH (3) Marketing research, methodologies, and managerial utilization of research findings. Prerequisite: DECS 200, MKTG 300.

- MKTG 310 INDUSTRIAL MARKETING (3)** Problems of marketing industrial products. Management of the pricing, selling, and servicing of industrial goods distributions. Customer services. Prerequisite: MKTG 300.
- MKTG 320 INTERNATIONAL MARKETING (3)** Conditions peculiar to international distribution of goods and services and its effects on the national welfare. Prerequisite: MKTG 300.
- MKTG 325 MARKETING SERVICES (3)** The marketing of services will be explored with special emphasis on how they differ from packaged and industrial goods. Prerequisite: MKTG 300.
- MKTG 328 DIRECT MARKETING (3)** Direct marketing as a tool, its strategies, techniques and measurement systems are studied. Prerequisite: MKTG 300.
- MKTG 330 RETAILING MANAGEMENT (3)** Fundamental principles and policy considerations for the successful management of modern-day retailing organizations. Case study. Prerequisite: MKTG 300.
- MKTG 331 ADVANCED CONCEPTS IN RETAILING (3)** Study of retailing beyond the introductory course. Special emphasis on buying and merchandising functions. Prerequisite: MKTG 330 or permission of instructor.
- MKTG 345 MARKETING COMMUNICATIONS (3)** Fundamental behavioral and communication concepts used in developing effective communications programs. Prerequisite: MKTG 300.
- MKTG 350 PROMOTION - ADVERTISING (3)** Creative and institutional aspects of advertising and their relationship to market and product attributes. Effects of legal and social environment. Prerequisite: MKTG 300.
- MKTG 351 SALES PROMOTIONS (3)** The use of sales promotions as promotional tools are examined. The development, implementation and budgeting of sales promotions are studied. Prerequisite: MKTG 300.
- MKTG 355 NEW PRODUCT DEVELOPMENT (3)** 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. Prerequisite: MKTG 300.
- MKTG 361 PROMOTION - SELLING (3)** Dynamics of selling and techniques of persuasive leadership. Sales management. Selection, training, compensation, and analysis of sales force activities. Prerequisite: MKTG 300.
- MKTG 370 CONSUMER BEHAVIOR (3)** Marketing strategy implications of consumer behavior. Anthropology, economics, psychology, sociology, and the consumer. Prerequisite: MKTG 300.
- MKTG 390 CONTEMPORARY MARKETING ISSUES (3)** Current developments in consumerism and consumer protection. Ecology, social responsibility, and ethical issues. Governmental roles. Prerequisite: MKTG 300.
- MKTG 399 TUTORIAL IN MARKETING: JUNIOR LEVEL (2-3)** Research, meeting, and attendance at scheduled lectures as determined by the advisor. Prerequisite: permission of the chair and dean.
- MKTG 400 MARKETING MANAGEMENT (3)** Marketing planning. The coordination of all aspects of marketing. Efficient utilization of resources. Prerequisites: six hours of upper division marketing courses.
- MKTG 491 MARKETING PRACTICUM (3)** 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.
- MKTG 495 MARKETING PLANNING AND ANALYSIS (3)** Application of marketing principles to case analysis. Prerequisites: FINC 300, MKTG 400 and six hours of upper division marketing courses.
- MKTG 499 TUTORIAL IN MARKETING: SENIOR LEVEL (2-3)** Research, meeting, and attendance at scheduled lectures as determined by the advisor. Prerequisite: permission of the chair and dean.

Graduate Courses

- MKTG 501 **MARKETING CONCEPTS** (3) Principles of marketing; concepts, functions, institutions, and policies.
- MKTG 601 **MARKETING STRATEGY** (3) The strategic planning process as it applies to marketing management, current literature and techniques. Prerequisites: MKTG 501 and FINC 501, or equivalents.
- MKTG 602 **MARKETING RESEARCH** (3) Methods and techniques of marketing research; its use as a tool of management; cases in marketing research. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 626 **MULTINATIONAL MARKETING** (3) Product decisions, pricing decisions, and channel decisions in the world market environment. Stresses cultural differences. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 628 **DIRECT MARKETING** (3) The use of direct marketing as a powerful business to business and consumer marketing tool is explored. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 630 **MARKETING SERVICES** (3) The principles, practice and scope of service marketing are explored. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 660 **SALES AND SALES MANAGEMENT** (3) Explore dimensions of selling as a marketing function and the application of theories of management to the selling function within organizations. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 661 **MARKETING MANAGEMENT** (3) Application of marketing concepts and theory to actual situations via case method. Individual reports and presentations. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 663 **INDUSTRIAL MARKETING** (3) Problems of marketing industrial products. Management of the marketing channels and pricing, selling, and distribution of the products. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 664 **CONSUMER BEHAVIOR THEORY** (3) Evaluation of research findings from behavioral sciences and other disciplines. Relationship to marketing. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 665 **ADVERTISING** (3) The role of advertising in the marketing process. The advertising campaign, its creative and media components. The decision processes. Case method. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 666 **MARKETING AND THE LAW** (3) Statutory and case law as each affects marketing decision-making, sales contracts, warranties, transfer of title, remedies under UCC. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 668 **NEW PRODUCT PLANNING AND DEVELOPMENT** (3) The entire process of new product development from idea generation to commercialization is developed. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 669 **MARKETING MODELS** (3) Examination and application of computer models developed for a variety of marketing decisions. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 670 **SEMINAR: CONTEMPORARY MARKETING ISSUES** (3) Current developments in marketing as related to social issues: consumerism, social responsibility, ethical issues, and governmental roles. Prerequisite: MKTG 601 or permission of instructor.
- MKTG 677 **INTERNATIONAL SALES AND NEGOTIATION** (3) Examines the sales and negotiations processes in an international environment. Topics include networking, prospecting, communication skills, and other areas that influence strategic design.
- MKTG 695 **INDIVIDUAL READINGS AND RESEARCH** (2-3) Open to especially qualified students with the consent of the chairman of the appropriate department and dean.

Center for Management and Professional Development

Staff: DR. JONES, *Director*; MS. SCHNEIDER, *Director of Marketing*, MS. BENSMAN and MS. SPECHT, *Program Managers*, MS. STOCKWELL, *Quality Manager*

Assisted by: Members of the Xavier University faculty and private consultants from local and national sources.

The Xavier University Center for Management and Professional Development provides the highest quality management consulting and development processes to businesses headquartered in the greater Cincinnati/tri-state area.

Xavier Entrepreneurial Center

Staff: DR. EUSTIS, *Director*

Assisted by: Members of the Xavier University faculty and various resource personnel from the local business community.

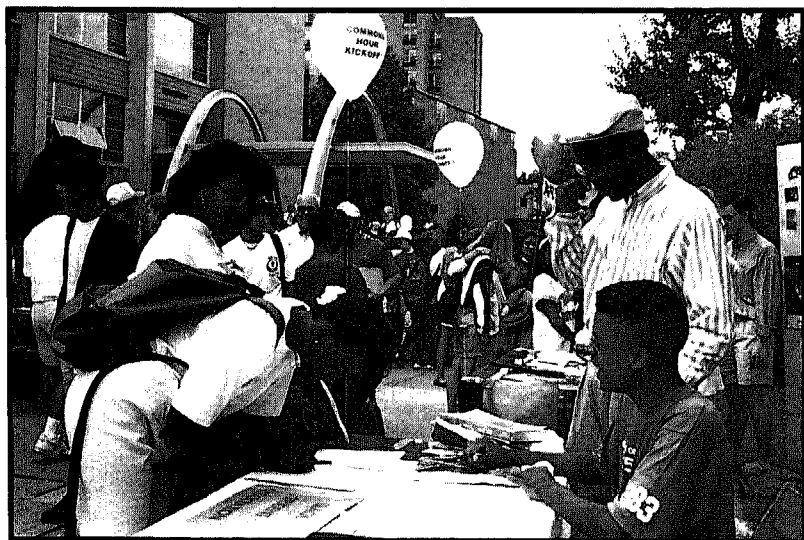
The Xavier Entrepreneurial Center offers educational programming for business start-ups and direct counseling assistance to students, alumni, and community entrepreneurs.

Center for International Business

Staff: DR. ANDERSON, *Director*

Assisted by: Members of the Xavier University faculty and resource personnel from local, national and international sources.

The Xavier University's Center for International Business was established in July 1990 for the purpose of enhancing knowledge of international business among the students, faculty and the business community. The students are prepared to meet the future challenges of businesses operating in the global economy. The Center also offers several services to the business community: using international databases to assess country potential, public seminars on international negotiation and cultural adaptation, and consulting on market development strategies.



DEGREE PROGRAMS AND COURSES

COLLEGE OF SOCIAL SCIENCES

The College of Social Sciences has degree programs in seven departments, Criminal Justice, Education, Hospital and Health Administration, Nursing, Political Science and Sociology, Psychology, and Social Work. In addition, the Department of Military Science and the Program in Pre-Mortuary Science are located in the College, and a Bachelor of Arts in Economics is offered through this College. Brochures showing required courses and suggested sequence of courses for each major are available in departmental offices.

THE DEPARTMENT OF CRIMINAL JUSTICE

The Department of Criminal Justice offers a Certificate in Criminal Justice, the Associate of Science, the Bachelor of Science and the Master of Science degrees in Criminal Justice. For information on the Associate degree and the Certificate, contact the Center for Adult and Part-time Students or the department.

THE BACHELOR OF SCIENCE IN CRIMINAL JUSTICE

The curriculum for criminal justice majors 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

Core Curriculum Requirements (see pp. 60-61): 64 hours

Major Requirements

- 30 hours of Criminal Justice courses: CJUS 101, 102, 210, 230, 260, 321, 381, 391, and 6 hours of CJUS electives. 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.
- A 2.000 cumulative average must be attained in the Criminal Justice courses.

The department advisor consults individually with each student in course selections.

Requirements for the Criminal Justice Minor

- 15 hours of Criminal Justice courses: CJUS 101, 102 or 103, 210, 321, and 381.
- A 2.000 cumulative average must be attained in the Criminal Justice courses.

Requirements for the Associate Degree in Criminal Justice

Core Curriculum Requirements (see p. 62): 28 hours

Concentration Requirements

- 15 hours of Criminal Justice courses: CJUS 101, 210, 260, 321, and 3 hours of electives chosen from CJUS 102, 232, 243 and 364.
- A 2.000 cumulative average must be attained in the Criminal Justice courses.

THE MASTER OF SCIENCE IN CRIMINAL JUSTICE

The Master of Science in Criminal Justice program is multi-disciplinary and designed for those persons who wish to search for new answers and address new questions, be part of an ever-developing knowledge-base, adjust attitudes, or sharpen the skills required to address the complex issues in the criminal justice system in a free society.

The degree of Master of Science in Criminal Justice will be awarded only to candidates who have successfully completed 33 credit hours and who have passed an extensive written examination on the general field of criminal justice as covered by the required courses, and successfully completed internship and research requirements (CJUS 792 and CJUS 784 respectively).

The 33 credit hours are distributed as follows:

BASIC REQUIRED COURSES: 24 hours

- CJUS 606 CRIMINOLOGY (3)
- CJUS 611 LAW AND JUSTICE IN AMERICA (3)
- CJUS 620 SOCIOLOGY OF CRIME AND DELINQUENCY (3)
- CJUS 621 JUVENILE JUSTICE IN A CHANGING SOCIETY (3)
- CJUS 642 CRIMINAL JUSTICE ADMINISTRATION (3)
- CJUS 683 RESEARCH AND PLANNING IN CRIMINAL JUSTICE (3)
- CJUS 784 RESEARCH ESSAY: SEMINAR (3)
- CJUS 792 INTERNSHIP (3).

ELECTIVES: 9 hours

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 33.

Criminal Justice (CJUS)

Staff: MR. HAHN, *chair*; DR. RICHARDSON, *Director of Undergraduate Studies*, DR. ENDRES

Assisted by: DR. BYWATER, DR. GORDON, MR. MOONITZ

Lower Division Courses

- CJUS 101 **INTRODUCTION TO CRIMINAL JUSTICE** (3) (SOCW 101) An overview of the legal basis of the criminal justice system and of its structures and functions
- CJUS 102 **INTRODUCTION TO LAW ENFORCEMENT** (3) Overview of policing problems and procedures; legal and philosophical issues in law enforcement; organization and administration of police agencies.
- CJUS 103 **INTRODUCTION TO CORRECTIONS** (3).
- CJUS 110 **AMERICAN GOVERNMENT** (3) (POLI 110) Legal, behavioral, historic, and contemporary aspects of the American Political System.
- CJUS 167 **INTRODUCTION TO SOCIAL WORK** (3) (SOCW 167).

Upper Division Courses

- CJUS 210 **BASIC CONSTITUTIONAL LAW AND THE AMERICAN COURTS I** (3) Principles; special reference to rights and obligations of various role players in the criminal justice system. Structure and functions of the courts.
- CJUS 230 **BASIC CONSTITUTIONAL LAW AND THE AMERICAN COURTS II** (3) Jurisdiction, processes and constitutional principles affecting them. Management.
- CJUS 232 **CAPITAL PUNISHMENT: OTHER ISSUES IN PUNISHMENT** (3).
- CJUS 233 **HUMAN DIGNITY IN THE HELPING PROFESSIONS** (2-3) (ED 488, PSYC 488, SOCI 488) An overview of humanistic approaches to the helping professions. Included are effective communications, emotional involvement, and development of professional interpersonal relationships.

- CJUS 243 **CORRECTIONAL COUNSELING (3).**
CJUS 260 **CURRENT ISSUES IN CRIMINAL JUSTICE (3) (SOCW 260)** Prerequisite CJUS 101.
CJUS 265 **CLASS AND CLASS CONFLICT (3) (SOCI 265)** Class, status, and power in social life. Systems of social inequality examined within a cross-cultural perspective.
CJUS 266 **CRIME AND PERSONALITY (3) (CJUS 566, EDCL 266, PSYC 366)** Root causes of crime in the individual and in the culture. Consideration of personality dynamics and treatment approaches.
CJUS 276 **PSYCHOLOGY OF DELINQUENCY (2) (CJUS 576, PSYC 276, EDCL 276)** Types and causes of juvenile delinquency together with brief case histories.
CJUS 290 **CRIMINOLOGY AND PENOLOGY (3) (SOCI 290)** Causative theories of crime. Crimes and criminals in the context of behavioral systems. Policies and programs of legal treatment.
CJUS 307 **CHILD WELFARE (3) (SOCW 307).**
CJUS 318 **TRENDS IN MODERN SOCIETY: RACE RELATIONS (3) (SOCW 318).**
CJUS 321 **JUVENILE JUSTICE IN A CHANGING SOCIETY (3) (SOCW 221)** Juvenile Court philosophy and practices; federal and state legislation; current trends and development of standards; alternatives to incarceration. Prerequisite: CJUS 101.
CJUS 364 **OVERVIEW OF CONTEMPORARY CORRECTIONS (3) (SOCW 265).**
CJUS 381 **METHODS OF RESEARCH IN CRIMINAL JUSTICE (3).**
CJUS 391 **PRACTICUM IN CRIMINAL JUSTICE (3).**
CJUS 430 **RATIONAL BEHAVIORAL THERAPY (3).**

Graduate Courses

- CJUS 606 **CRIMINOLOGY (3)** Theories of crime causality, systemic reaction to crime complex, critical evaluation of contemporary methodologies.
CJUS 608 **COMMUNITY-BASED CORRECTIONS (3).** Theory and practice in non-institutional model.
CJUS 611 **LAW AND JUSTICE IN AMERICA (3)** Presentation of legal issues in criminal justice including rights of criminal justice workers and offenders, pertinent Supreme Court decisions and case law, interpretations of lawyer's role in the system.
CJUS 620 **SOCIOLOGY OF CRIME AND DELINQUENCY (3)** Social foundations of the criminal justice system; social causation of and response to crime.
CJUS 621 **JUVENILE JUSTICE IN A CHANGING SOCIETY (3)** Critique of juvenile social control in U.S., legal trends in juvenile court and institutions, evaluation of contemporary practice in the juvenile justice system.
CJUS 642 **CRIMINAL JUSTICE ADMINISTRATION (3)** Organizational and management theories and practices in criminal justice settings.
CJUS 643 **CORRECTIONAL COUNSELING (3).**
CJUS 660 **CURRENT ISSUES IN CRIMINAL JUSTICE (3).**
CJUS 664 **OVERVIEW OF CONTEMPORARY CORRECTIONS (3).**
CJUS 676 **PSYCHOLOGY OF DELINQUENCY (3) (PSYC 276, ED 276).**
CJUS 683 **RESEARCH AND PLANNING IN CRIMINAL JUSTICE (3)** Social and policy science research designs applied to policy formulation, implementation and evaluation.
CJUS 784 **RESEARCH ESSAY: SEMINAR (3)** Completion of an acceptable research paper. Direction of design and execution in classroom setting.
CJUS 792 **INTERNSHIP (3)** Supervised experience in criminal justice placement. Non-classroom program of 300 clock hours under academic supervision.

THE BACHELOR OF ARTS IN ECONOMICS

The Bachelor of Arts degree in economics offers students a liberal arts background and provides a thorough understanding of economic activity. The B.A. in economics 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 (see pp. 60-61): 64 hours, including

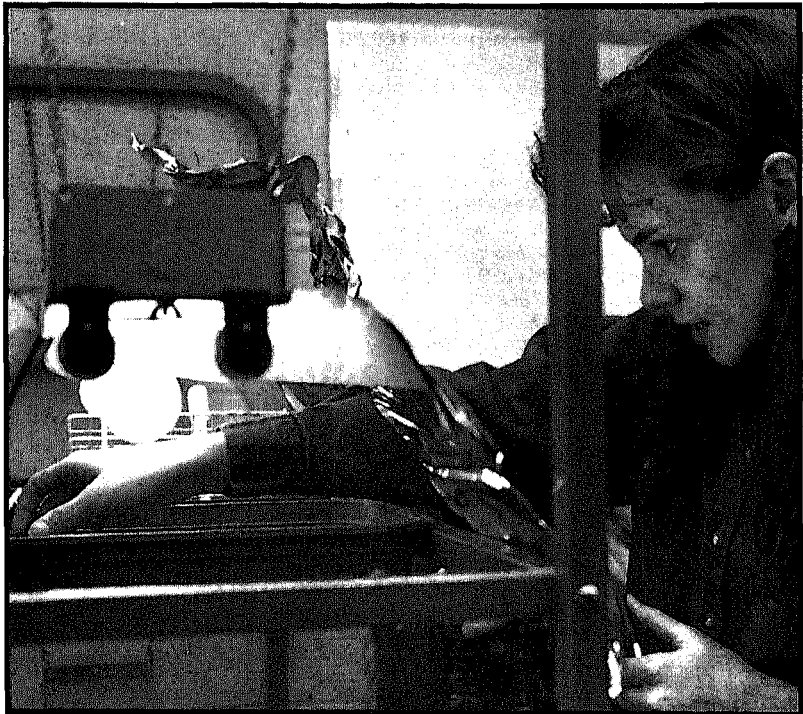
- Mathematics: MATH 150 and 156.
- Social Sciences requirement included within the major.

Major Requirements

- 33 hours: ECON 205, 206, 305, 306, DECS 201, 18 hours of electives which must include 6 hours of ECON courses at the 400 level. Up to 6 hours of Human Resources courses other than HRES 320, 330, and 497 may be substituted for up to 6 hours of 300 level economics courses.
- A 2.000 cumulative average must be attained in the above courses.

Staff: DR. H. BRYANT, chair; DR. ABU-RASHED, DR. BERTAUX, DR. COBB, DR. DONNELLY, DR. GERRING, DR. MARMO, DR. RANKIN, DR. WEINBERG, DR. ZIMMERMAN.

For course descriptions, consult the College of Business Administration section, on pages 149-151.



THE DEPARTMENT OF EDUCATION

The Department of Education offers teacher certification programs approved by the Ohio State Board of Education as listed under Teacher Certification below, and awards the Bachelor of Science degree in the following areas:

- Elementary Education (Grades 1-8)
- Elementary Education (Special Education)
- Physical Education*
- Adaptive Physical Education*
- Health Education
- Athletic Training*
- Sports Management
- Sports Marketing
- Teaching Biology and General Science (Grades 7-12)
- Teaching Chemistry and General Science (Grades 7-12)
- Montessori Education (Pre-K, K-3)

* A dual concentration in Health Education can be added to any of these areas.

An Associate of Science degree in Early Childhood Education is also offered. Contact the Center for Adult and Part-time Students for more information on this degree. The Master of Education degree is available in many concentrations. See the MEd section on pp. 179-180 for the list of options.

Students who do not meet acceptable performance standards in field experiences may be excluded from specific programs.

TEACHER CERTIFICATION

The department offers teacher certification programs, approved by the Ohio State Board of Education, for pre-kindergarten, kindergarten, elementary, special education, and secondary school teaching, as well as American Montessori Society certification in Montessori pre-primary and primary teaching.

The following pages outline the requirements for these certificates. Specific brochures of these programs are available and give suggested sequence of courses. In secondary teaching, the students take a major in their teaching field and complete certification requirements in professional education courses.

Grades K-12 Teaching certificates can be attained in the following fields:

Health Education	Physical Education
Languages	Special Education
Music	Visual Arts

Secondary School Teaching certificates can be attained in the following subject fields:

Biology	Humanities
Bookkeeping/Basic Business	Mathematics
Chemistry	Music
Comprehensive Communications	Physical Education
Comprehensive Science	Physics
Economics	Political Science
English	Psychology/Sociology
General Science	Social Studies
History	Visual Arts

Special Education Certificates can be obtained in the following areas:

- Developmentally Handicapped Specific Learning Disabled
- Severe Behavior Handicapped

Students must contact the respective program director for specific requirements and regulations with regard to their area of certification.

BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION GRADES 1-8

Requirements for the Elementary Education Major

Core Curriculum Requirements (see pp. 60-61): 64 hours, including

- Sciences: a biological and a physical science with labs are required.
- Fine Arts, Literature, History, Social Sciences: requirements included within the major.
- The university core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher certification.
- A 2.500 cumulative average must be attained in the core curriculum for recommendation for teacher certification.

Major Requirements:

- 60 hours of courses as specified in the *Elementary Education Handbook* including EDEL 100, 250, EDFD 141, 142, 343, EDSP 438, ARTS 221, Music in the Elementary School, Health/PE, Language Arts, Science/Math and Social Science blocks, and a student teaching experience.
- 3 hours: COMM 101 - Oral Communication
- A 2.750 cumulative average must be attained in the Education courses for recommendation for teacher certification.

NOTE: The number of Humanities courses required in the core curriculum fulfill the State of Ohio regulations for an "area of concentration." If a student wishes to do a concentration in Mathematics, Science or Social Science, summer session attendance will be necessary to complete the program in four years.

BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION SPECIAL EDUCATION

Students seeking dual Special Education and Elementary Education certification must take several courses in addition to the Elementary Education requirements according to the Special Education area in which they plan to concentrate. These requirements are listed according to the certification or validation area below:

Developmentally Handicapped (DH)

EDSP 305, 436, 440, 441, 443.

Severe Behavior Handicapped (SBH)

EDSP 271, 324, 440, 441, 443.

Specific Learning Disabled (SLD)

EDSP 271, 335, 440, 441, 443.

EDFD 343, EDSP 438, EDEL 471 are also integral components of Special Education certification.

Students seeking dual certification in Special Education and Elementary Education should be aware that in order to complete course requirements, summer session attendance may be necessary. Student teaching may exceed 15 weeks.

Students seeking Special Education certification should consult the Director of Elementary Education and the Director of Special Education for course sequence in the program.

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

Requirements for the Physical Education Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Science requirement includes BIOL 140, 141, 142, 143, rest is within the major.
- Social Sciences requirement included within the major.

Major Requirements:

- 61 hours of Education courses: EDPE 193, 238, or 240, 267, 271, 276, 342, 377, 381, 385, 386, 389, 392, 460 and 472, EDSE 131, 311, 315, EDFD 141, 142, 343, EDHE 168, 375, EDSM 470, EDSP 438.
- 4 hours of Education sport activity courses.
- A 2.000 cumulative average must be attained in the Education courses.

BACHELOR OF SCIENCE IN ADAPTIVE PHYSICAL EDUCATION

Requirements for the Adaptive Physical Education Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Science requirement includes BIOL 140, 141, 142, 143, rest is within the major.
- Social Sciences requirement included within the major.

Major Requirements:

- 47 hours of Education courses: EDPE 342, 381, 385, 386, 387, 389, 392 and 472, EDSE 131, 311, 315, EDFD 141, 142, 343, EDSP 317, 348, EDSM 370.
- A 2.000 cumulative average must be attained in the Education courses.

BACHELOR OF SCIENCE IN HEALTH EDUCATION

Requirements for the Health Education Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Science requirement includes BIOL 140, 141, 142, 143.
- Theology requirement includes THEO 310 as the Ethics, Religion & Culture elective.
- Social Sciences requirement included within the major.

Major Requirements:

- 50 hours of Education courses: EDPE 267, 277, 371, 381, 384 and 472, EDSE 131, 311, 315, 342, EDHE 168, 288, 375, 461, EDFD 141, 142, 343, EDSP 271, 438.
- A 2.000 cumulative average must be attained in the Education courses.

BACHELOR OF SCIENCE IN ATHLETIC TRAINING

Requirements for the Athletic Training Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Science requirement includes BIOL 104, 141, 142, 143, rest is within the major.
- Social Sciences requirement included within the major.

Major Requirements:

- 44 hours of Education courses: EDAT 143, 267, 323, 342, 345, 346, 347, 386, 492, 495, EDHE 168, 375, EDSM 377.
- 1500 clinical hours under the supervision of a certified athletic trainer.
- A 3.000 cumulative average in the Athletic Training courses and a 2.500 overall cumulative average must be maintained to be eligible for the clinical experience.

* The university core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher certification.

BACHELOR OF SCIENCE IN SPORT MANAGEMENT

Requirements for the Sport Management Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Science requirement includes BIOL 140, 141, 142, 143, rest is within the major.
- Philosophy: PHIL 329 is recommended as the elective.
- Theology: THEO 310 is required as the Ethics, Religion and Culture elective.
- Mathematics includes MATH 116.
- Social Sciences included within the major.

Major Requirements: 71 hours, distributed as follows:

- Area 1 Management 12 hours required: EDSM 110, EDSM 322, INFO 100 and 300, MGMT 300. EDSM 370 and 471 could be electives.
- Area 2 Societal Ethics 8 hours required: EDPE 193, EDSM 132, PSYC 477.
- Area 3 Legal Aspects 6 hours required: EDSM 348, BLAW 300.
- Area 4 Communications 12 hours required: COMM 101, 107, and 6 hours of electives.
- Area 5 Marketing 6 hours required: MKTG 300, and 3 hours chosen from MKTG 361 and COMM 230.
- Area 6 Finance 3 hours required: ACCT 200. ACCT 201 and FINC 300 could be electives.
- Area 7 Economics 6 hours required: ECON 200, 201.
- Area 8 Sport & Exercise Science 9 hours of electives required.
- Area 9 Field Experience 9 hours required: EDPE 472.
- A 2.000 cumulative average must be attained in the courses of the major.

BACHELOR OF SCIENCE IN SPORT MARKETING

Requirements for the Sport Marketing Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Science requirement includes BIOL 140, 141, 142, 143, rest is within the major.
- Philosophy: PHIL 329 is recommended as the elective.
- Theology: THEO 310 is required as the Ethics, Religion and Culture elective.
- Mathematics requirement: MATH 120 and 150.
- Social Sciences included within the major.

Major Requirements: 72 hours, distributed as follows:

- Area 1 Management 10 hours required: EDSM 110, EDSM 322, INFO 100, MGMT 300. EDSM 370 & 471 could be electives.
- Area 2 Societal Ethics 8 hours required: EDPE 193, EDSM 132, PSYC 477.
- Area 3 Legal Aspects 3 hours required: EDSM 348. BLAW 300 could be an elective.
- Area 4 Communications 12 hours required: COMM 101, 107, and 6 hours of electives.
- Area 5 Marketing 12 hours required: MKTG 300, 325, and 6 hours of electives.
- Area 6 Finance 3 hours required: ACCT 200. ACCT 201 could be an elective.
- Area 7 Economics 6 hours required: ECON 200, 201.
- Area 8 Sport & Exercise Science 9 hours of electives required.
- Area 9 Field Experience 9 hours required: EDPE 479.
- A 2.000 cumulative average must be attained in the courses of the major.

- * The university core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher certification.

BACHELOR OF SCIENCE IN TEACHING BIOLOGY AND GENERAL SCIENCE

Requirements for the Teaching Biology and General Science Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 and 156.
- Social Sciences requirement included within the major.
- Science requirement included within the major.

Major Requirements:

- 28 hours of Education courses: EDSE 131, 301, 303, 311, 315, EDFD 141, 142, EDSP 438.
- 30 hours of Biology courses: BIOL 160, 161, 162, 163, 210, 211, 230, 410, 411, 450, 451, and 6 hours of Biology electives: BIOL 250, 251, or BIOL 350, 351, BIOL 240 or 244 or 360.
- 9 hours of Chemistry courses: CHEM 160, 161, 162, 163.
- 14 hours of Physics courses: PHYS 104, 105, 106, 107, 116, 117, 118, 119.
- A 2.500 overall cumulative average must be attained; a 2.500 GPA must also be attained in education courses and in each area of certification.

The program meets the State of Ohio certification requirements for Grades 7-12.

- * The university core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher certification.

BACHELOR OF SCIENCE IN TEACHING CHEMISTRY AND GENERAL SCIENCE

Requirements for the Teaching Chemistry and General Science Major

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Mathematics: MATH 150 and 156.
- Social Sciences requirement included within the major.
- Science requirement included within the major.

Major Requirements:

- 28 hours of Education courses: EDSE 131, 301, 303, 311, 315, EDFD 141, 142, EDSP 438.
- 31 hours of Chemistry courses: CHEM 160, 161, 162, 163, 220, 221, 240, 241, 242, 243, 320, 322 or 330, 340, 341.
- 9 hours of Biology courses: BIOL 160, 161, 162, 163.
- 14 hours of Physics courses: PHYS 104, 105, 106, 107, 116, 117, 118, and 119.
- A 2.500 cumulative average must be attained; A 2.500 GPA must also be attained in education courses and in each area of certification.

This program meets the State of Ohio certification requirements for Grades 7-12.

- * The university core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher certification.

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 prepared 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.

The Montessori Teacher Education undergraduate program is based on a strong foundation in liberal arts and child development. The Montessori philosophy 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 prepares the student to teach practical life, art, music, movement, sensorial education, math, language, geography, science, and history.

The Xavier University Montessori Teacher Education program grants Montessori certification in the following areas:

1. American Montessori certification for pre-school or elementary.
2. Ohio State Early Childhood certification for Pre-K and K-3. Graduates will be certified to teach in public or private traditional schools from Pre-K to K-3.

Academic advising is scheduled twice a year.

Xavier University has developed a teacher education program in Korea, and has worked in Australia. The potential to study abroad can be explored with interested students.

BACHELOR OF SCIENCE IN MONTESSORI EDUCATION

Early Childhood Education

Pre-Kindergarten and K-3 State Certification

American Montessori Society Certification for Ages 3 to 6 Years

Requirements for the Montessori Education Major, Pre-K, and K-3

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Sciences: a biological and a physical science are required.
- Fine Arts, Literature, History, Social Sciences: requirements within the major.

Major Requirements:

- 52 hours of Education courses: see department for accurate listing.
- 12 hours of history: HIST 143, 144, a western civilization course, and a non-western civilization course.
- 9 hours of additional courses: COMM 101 and the fine arts block.
- A 2.750 cumulative average must be attained in the Education courses for recommendation for teacher certification.

NOTE: The number of humanities courses required in the core curriculum fulfills the state of Ohio regulations concerning an "area of concentration."

- * The university core curriculum must be fulfilled to meet State Of Ohio regulations in general education for teacher certification. A 2.500 cumulative average must be attained in the core curriculum for recommendation for teacher certification.

BACHELOR OF SCIENCE IN MONTESSORI EDUCATION

Early Elementary Program State Certification for K-3 American Montessori Society Certification for Ages 6 to 9 Years

Requirements for the Montessori Education Major: K-3

Core Curriculum Requirements* (see pp. 60-61): 64 hours, including

- Sciences: a biological and a physical science are required.
- Fine Arts, Literature, History, Social Sciences: requirements within the major.

Major Requirements:

- 54 hours of Education courses: see department for accurate listing.
- 12 hours of history: HIST 143, 144, a western civilization course, and a non-western civilization course.
- 9 hours of additional courses: COMM 101 and the fine arts block.
- A 2.750 cumulative average must be attained in the Education courses for recommendation for teacher certification.

NOTE: The number of humanities courses required in the core curriculum fulfills the state of Ohio regulations concerning an "area of concentration."

- * The university core curriculum must be fulfilled to meet State of Ohio regulations in general education for teacher certification. A 2.500 cumulative average must be attained in the core curriculum for recommendation for teacher certification.

ASSOCIATE DEGREE IN EARLY CHILDHOOD EDUCATION

Ohio State Certification – Associate Certificate

Requirements for the Associate Degree in Early Childhood Education

Core Curriculum Requirements (see pp. 62): 28 hours (the Ethics/Religion and Society Focus elective is excluded).

Concentration Requirements:

- 35 hours of Education courses: See department for accurate listing.
- 3 hours of Psychology: PSYC 232.
- A 2.500 cumulative average must be attained in the concentration.

THE 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 influence by satisfactorily completing a program of graduate work designed to give these characteristics:

1. Broad knowledge of the principles and techniques of education in modern society.
2. Specific knowledge of one major area of the field of education.
3. Essential understandings and skills necessary for intelligent consumption of educational research.

To insure 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 are:

- EDFD 501 **Philosophy of 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 insure 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, agency and community counseling, school counseling, elementary education, secondary education, physical education, developmentally handicapped, multi-handicapped, early education of handicapped children, gifted, severe behavior handicapped, specific learning disabled, Montessori education, reading specialist, human resource development, sports administration, art, biology, business education, chemistry, classics, English, history-political science, mathematics, French, German, Spanish, philosophy, psychology, theology, and music.

Those interested in the MEd program may obtain brochures covering specifics of concentrations from the Education Department Office. Separate folders are available for concentrations in educational administration, Montessori education, reading specialist, special education areas, human resource development, counseling, and sports administration.

A minimum of thirty hours is normally required for the degree of Master of Education. These shall be distributed as follows:

1. General surveys in education, 12 credit hours.
2. Concentration, 12 credit hours.*
3. Pertinent electives, 6 credit hours.

* Certain concentrations may require more than 12 semester hours, particularly where state certification requirements are involved.

The MEd (Counseling) requires a minimum of 36 semester hours.

The degree will be awarded only to candidates who have passed an extensive written examination covering their particular field of concentration (administration, counseling, etc.) or over the four general survey courses in education if they have concentrated in a subject matter field or in elementary or secondary education. Students in counseling, sports administration, and human resources may apply for a waiver of comprehensive examination and replace it with an extended practicum if approved by the director of the program.

Should the student fail the comprehensive examination, it may be repeated only once.

Note: The University is not obliged to recommend certification 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 relevant NTE examinations of the State Department of Education beyond academic requirements for each specific certificate.

EXECUTIVE M.ED. IN HUMAN RESOURCE DEVELOPMENT

The weekend executive M.Ed. in HRD is designed to meet the needs of individuals who wish to advance in, or enter, the expanding HRD field. This degree is awarded to the candidate who has developed a capacity to implement the integrated use of training, organization and career development efforts in improving individual, group, and organizational effectiveness. Typical HRD practices include executive and supervisory, management development, professional skills training, organization development, consultation, technical/job instruction and coaching, and Total Quality Management, among others.

This 30-credit, 10-course interdisciplinary program covers key competencies in developing the adult learner, applying and designing HRD research, behaving in organizations, consulting for organizational effectiveness, advising for career development, assessing and evaluating HRD programs, designing and developing HRD programs, facilitating learning in HRD programs, and managing the HRD function.

The Executive HRD Program is a 21-month program. Students attend classes on the Xavier campus 24 weekends during that time. 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 once per year in the fall.

Education

Faculty and Staff: DR. KEOUGH, *associate dean/chair*; DR. BOOTHE, DR. BRADLEY, MS. BRONSIL, MS. DAHLMEIER, MR. EFFRON, DR. FLICK, DR. GAFFNEY, DR. GARDNER, MS. HEWAN, DR. KIRK, DR. KORTH, DR. McCONNELL, MS. McKENZIE, DR. POHLMAN, DR. PROSAK-BERES, MR. QUINN, DR. RIORDAN, SR. RISCHMANN, DR. URTON, MS. VERTUCA, DR. WUBBOLDING

Assisted by: MS. BAILEY, MS. BEERY, DR. BERES, DR. BRANDT, DR. BREEN, DR. BREULEUX, MR. BRONSIL, DR. BROOKS, MS. BURNS, MS. CHOATE, MS. CHURCH-KISSEL, DR. CONCANNON, MS. COTTINGHAM, MS. CROSBY, DR. DRAUD, MS. EAGEN, DR. GEER, SR. GERHARDSTEIN, MS. GIDDENS, MR. GOULET, MS. GRAY, DR. GREEN, MS. HARRISON, MS. HERSHMAN, MS. HESS, MS. JONES, MS. JOY, DR. JURKOWITZ, MS. KATHMAN, MR. KESSINGER, MS. KESSLER, MR. KNORR, MS. KRAPP, DR. KRINER, MR. MADONIS, MS. MERRILL, MS. MEYERS, MS. MONAHAN, MS. MUNSON, MS. O'MALLOY, MS. PERRY, DR. POSTON, MR. RAY, MS. RICHARDSON, DR. RIES, MS. ROBINSON, MS. RULLI, MS. RYAN, MS. SALZMAN, MR. SCHLISS, MS. SCHMALZ, MR. SCHUMACHER, MR. SETA, MS. STAUB, MR. STINSON, MS. THOMAS, DR. TODARO, MR. TRAUTEN, MS. TRUJILLO, MR. ULRICH, MS. WINTERMAN, MS. WOODS.

UNDERGRADUATE COURSES

ATHLETIC TRAINING

- EDAT 143 **INTRODUCTION TO ATHLETIC TRAINING** (3) 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.
- EDAT 323 **RECOGNITION AND EVALUATION OF INTERNAL INJURIES** (3) A comprehensive study of the internal organs of the body for screening of internal injuries in athletic participation. Special attention to prevention, recognition and referral of potential injuries to medical personnel.
- EDAT 342 **MODALITIES AND REHABILITATION** (3) A comprehensive study of the use of therapeutic agents for the treatment of athletic injuries including muscle stimulation equipment, ultrasound, cryokinetic techniques, etc.
- EDAT 345 **ORTHOPEDIC INJURIES I** (3) A comprehensive study of the lower extremity including foot, ankle, knee, thigh, and hip with attention to prevention, recognition and rehabilitation to sports injuries to these areas.
- EDAT 346 **ORTHOPEDIC INJURIES II** (3) A comprehensive study of the upper extremity including hand, wrist, arm, and shoulder complex with special attention to prevention, recognition and rehabilitation to sports injuries to these areas.
- EDAT 347 **ORTHOPEDIC INJURIES III** (3) A comprehensive study of the head, neck, and spinal areas with special attention to prevention, recognition and rehabilitation to sports injuries to these areas.
- EDAT 386 **KINESIOLOGY** (3) 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 contractions of individual muscles. Prerequisite: BIOL 140-143.

- EDAT 492 ATHLETIC TRAINING: SENIOR SEMINAR/EXAM PREPARATION (3)**
A culminating experience which presents an extensive overview of the entire professional preparation in Athletic Training. Resume writing, job interviewing skills, graduate school selection and preparation for the national certification exam are included. Special emphasis on the skills needed to organize and administer a training program.
- EDAT 495 INTERNSHIP IN ATHLETIC TRAINING (1-9)** Allows the student trainer the opportunity to assist in the total operations of a training room including all sports teams, day to day management of athletic care and facilities.

CROSS LISTINGS

- EDCL 200 ADVANCED COMPOSITION (3) (ENGL 200)** Current theories on the teaching of writing in elementary school. Instruction and practice in expository writing.
- EDCL 205 TEACHING THE MULTI-AGE CLASSROOM (2)**
- EDCL 210 FAMILY AND SOCIETY (3) (SOCW 310)** Marriage preparation, partner selection, marital adjustment, family structure and functions, and marital dissolution. Current problems facing the family, macro-intervention strategies for problem resolution.
- EDCL 231 DEVELOPMENTAL PSYCHOLOGY (3) (PSYC 231)** Factors influencing man's life span. Application to stages of physiological maturation, developmental tasks, social learning, personality integration.
- EDCL 232 CHILD PSYCHOLOGY (2) (PSYC 232)** The genetic study of growth and development; hereditary and environmental factors; early and later childhood to puberty.
- EDCL 233 ADOLESCENT PSYCHOLOGY (2) (PSYC 233)** Interrelated physical, social, and moral development associated with youth and adolescence.
- EDCL 261 SOCIAL PSYCHOLOGY (2) (PSYC 261, SOCW 261)** The individual's personality, attitudes, and behavior in multi-individual situations.
- EDCL 266 CRIME AND PERSONALITY (3) (CJUS 266, CJUS 566, PSYC 366)** Root causes of crime in the individual and in the culture. Consideration of personality dynamics and treatment approaches.
- EDCL 274 PSYCHOLOGY OF ADJUSTMENT (2) (PSYC 274)** Progressive stages of development in emotional growth. Factors of adjustment and maladjustment in education, social relations, and occupations.
- EDCL 276 PSYCHOLOGY OF DELINQUENCY (2) (CJUS 276, CJUS 576, PSYC 276)** Definition, causes and categories of delinquency. Court processes, court rulings, current philosophies, service agencies, personality and maladaptive disorders.
- EDCL 277 ABNORMAL PSYCHOLOGY (2) (PSYC 277)** Dynamics of the disturbed personality; symptoms, causes, treatment of psychoneuroses, psychoses, deviant personalities.
- EDCL 318 MARVA COLLINS: TEACHING METHODS AND STRATEGIES (3)**
- EDCL 365 PSYCHOLOGY OF WOMEN (2) (PSYC 365)** Study of the biological, psychological and social needs and issues of women.
- EDCL 464 THEORIES OF PERSONALITIES (2) (PSYC 464)** Description and evaluation of current personality theories. Upon approval of psychology department chair.
- EDCL 477 SPORTS PSYCHOLOGY (3) (PSYC 477)** The course will deal with behavior and sports emphasizing the areas of personality and sports, anxiety and arousal in sports motivation, aggression, group dynamics, socialization and exercise.

COUNSELING

- EDCO 419 **COPING WITH DEATH AND DYING** (2)
 EDCO 434 **RATIONAL BEHAVIOR THERAPY** (2)
 EDCO 435 **REALITY THERAPY** (2)
 EDCO 436 **ADVANCED REALITY THERAPY** (2)
 EDCO 437 **REALITY THERAPY CERTIFICATION** (2)
 EDCO 439 **DRUG COUNSELING** (2-3)

DRIVER EDUCATION

- EDDE 401 **INTRODUCTION TO DRIVER EDUCATION AND SAFETY** (3)
 EDDE 402 **ORGANIZATION/ADMINISTRATION OF DRIVER TRAINING-SAFETY EDUCATION** (3)

ELEMENTARY EDUCATION

- EDEL 100 **INTRODUCTION TO ELEMENTARY EDUCATION AND FIELD EXPERIENCE** (3) The elementary school as a multi-cultural environment. History, philosophy, organization and current issues. Emphasis on suitability for teaching. Field experiences.
- EDEL 250 **CLASSROOM PRACTICES AND FIELD EXPERIENCES** (3) Learning styles, lesson planning, use of audio-visual technology, writing educational objectives, instructional management, and curriculum. Field experience. (3)
- EDEL 311 **TEACHING SCIENCE** (2) Curriculum integrated course in science. Prerequisites: EDEL 100 and 250.
- EDEL 312 **TEACHING SOCIAL STUDIES** (2) Emphasis on social science curriculum, multi-cultural implications and instructional strategies. Prerequisites: EDEL 100 and 250.
- EDEL 314 **TEACHING READING** (3) Developmental process of reading, reading in the content areas, determining needs of children. Prerequisites: EDEL 100 and 250.
- EDEL 315 **TEACHING MATHEMATICS** (3) The modern mathematics curriculum in the elementary school. Materials, methods, and content. Prerequisites: EDEL 100 and 250.
- EDEL 317 **TEACHING LANGUAGE ARTS** (3) Curriculum, oral, and written language, spelling, mechanics of writing, linguistics. Multi-cultural implications. Prerequisite: EDEL 100 and 250.
- EDEL 326 **CHILDREN'S LITERATURE** (3) Survey of literature available for elementary age children; how to use literature in the classroom.
- EDEL 327 **ADOLESCENT LITERATURE** (3) Survey of literature available for adolescents; how to use literature in the classroom.
- EDEL 370 **JUNIOR FIELD EXPERIENCE** (2) Observation, teaching and evaluation; major subject areas: reading, language arts, mathematics, social studies, and science.
- EDEL 471 **ELEMENTARY STUDENT TEACHING AND SEMINAR** (9)
- EDEL 474 **ELEMENTARY STUDENT TEACHING AND SEMINAR: SPECIAL EDUCATION DEVELOPMENTALLY HANDICAPPED** (9)
- EDEL 475 **ELEMENTARY STUDENT TEACHING AND SEMINAR: SPECIAL EDUCATION MULTI-HANDICAPPED** (9)
- EDEL 476 **ELEMENTARY STUDENT TEACHING AND SEMINAR: SPECIAL EDUCATION SEVERE BEHAVIOR HANDICAPPED** (9)
- EDEL 477 **ELEMENTARY STUDENT TEACHING AND SEMINAR: SPECIFIC LEARNING DISABLED** (9)

FOUNDATIONS

- EDFD 141 **HUMAN GROWTH AND DEVELOPMENT I: THEORY** (2) The genetic study of growth and development. Influence of heredity and environment. Birth through middle childhood. Field experiences.
- EDFD 142 **HUMAN GROWTH AND DEVELOPMENT II: PRACTICE** (2) Human growth and learning. Evaluation, observation skills, behavior problems. Pre-adolescence to adulthood. Field experiences.

HEALTH EDUCATION

- EDHE 168 **FIRST AID, SAFETY, AND CPR** (3) This course certifies students through the American Red Cross in both First Aid and CPR in the course titled Responding to Emergencies. Stresses the basic steps to follow in an emergency including assessment, life-threatening emergencies, injuries, medical emergencies, rescues, healthy lifestyles, and disease transmission.
- EDHE 282 **ELEMENTARY SCHOOL HEALTH** (2)
- EDHE 288 **PERSONAL AND COMMUNITY HEALTH** (2) Various topics addressing the problems applicable to personal and community health problems.
- EDHE 375 **NUTRITION FOR SPORT** (2) The basic components and principles of nutrition and the application to good health.
- EDHE 387 **STD, AIDS, DEATH AND DYING** (2)
- EDHE 461 **ENVIRONMENTAL HEALTH** (2)
- EDHE 480 **CPR: INSTRUCTOR PREPARATION** (2)

MONTESSORI EDUCATION

- EDME 305, 306 **KINDERGARTEN METHODS AND MATERIALS I, II** (3) Two semesters. Preschool childrens' physical, intellectual, social, and emotional development. Current research, materials, activities, and experiences. Individual development of materials.
- EDME 350 **METHODS OF OBSERVATION OF CHILDREN** (3) Techniques and strategies for systematic observation in the classroom, records of observations, instruments for addressing curiosities or problems. Analysis of live and videotaped classroom behavior.
- EDME 351 **MONTESSORI EDUCATION: PHILOSOPHICAL APPROACH** (3) Seminar. Philosophy, historical development, contemporary critique, and current methodology. Classroom observation Varieties of resources.
- EDME 352 **MONTESSORI CURRICULUM DESIGN AND TEACHING STRATEGIES I: PRIMARY** (3)
- EDME 353 **MONTESSORI MATH AND GEOMETRY METHODS** (3)
- EDME 354 **MONTESSORI LANGUAGE ARTS AND READING METHODS** (3)
- EDME 355 **MONTESSORI CULTURAL SUBJECTS-METHOD** (3)
- EDME 356 **MONTESSORI INTEGRATION OF THE CURRICULUM: PRIMARY** (3)
- EDME 359 **FULL DAY CHILD CARE METHODS** (3)
- EDME 363 **EARLY COGNITIVE DEVELOPMENT** (3) Childhood education. Principles of Montessori education: early enriched environment, critical periods of learning, and the role of the early activation drive. Play theory, beauty, creativity, and self-esteem.
- EDME 364 **EARLY CHILDHOOD/MONTESSORI METHODS** (3)
- EDME 365 **EARLY CHILDHOOD/MATH AND LANGUAGE METHODS** (3)
- EDME 366 **MONTESSORI CURRICULUM DESIGN AND TEACHING STRATEGIES I: EARLY CHILDHOOD** (3)
- EDME 367 **MONTESSORI CURRICULUM DESIGN AND TEACHING STRATEGIES II: EARLY CHILDHOOD** (3)
- EDME 470 **MONTESSORI PRIMARY PRACTICUM I** (6)

- EDME 471 **MONTESSORI PRIMARY PRACTICUM II (6)**
 EDME 473 **MONTESSORI EARLY CHILDHOOD PRACTICUM I (6)**
 EDME 474 **MONTESSORI EARLY CHILDHOOD PRACTICUM II (6)**

PHYSICAL EDUCATION

- EDPE 193 **HISTORY AND PHILOSOPHY OF SPORT AND PE (2)**
 EDPE 214 **AEROBIC YOGA (2)**
 EDPE 238 **ACTIVE GAMES AND CONTESTS (2)**
 EDPE 240 **ELEMENTARY GYMNASTICS AND RHYTHMICS (2)**
 EDPE 267 **PHYSIOLOGY OF EXERCISE (3)**
 EDPE 269 **COACHING GOLF (2)**
 EDPE 270 **COACHING WRESTLING (2)**
 EDPE 271 **INTERMEDIATE AND ADVANCED GYMNASTICS (2)**
 EDPE 272 **COACHING FOOTBALL (2)**
 EDPE 273 **COACHING BASKETBALL (2)**
 EDPE 274 **COACHING BASEBALL (2)**
 EDPE 275 **COACHING TRACK AND FIELD (2)**
 EDPE 276 **THEORY AND PRINCIPLES OF COACHING (2)**
 EDPE 277 **COACHING VOLLEYBALL (2)**
 EDPE 278 **COACHING SOCCER (2)**
 EDPE 279 **COACHING TENNIS (2)**
 EDPE 313 **INDIVIDUAL FITNESS (2)**
 EDPE 342 **METHODS IN SECONDARY PHYS ED (3)**
 EDPE 377 **ADMINISTRATION OF PHYSICAL EDUCATION (2)**
 EDPE 381 **TEST AND EVALUATION IN SPORT/PE (3)**
 EDPE 384 **ELEMENTARY SCHOOL HEALTH AND PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER (3)**
 EDPE 385 **PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL (2)**
 EDPE 386 **KINESIOLOGY (3)**
 EDPE 388 **BIOMECHANICS (3)**
 EDPE 389 **ADAPTIVE PHYSICAL EDUCATION (3)**
 EDPE 392 **SENSORY INTEGRATION AND MOVEMENT EDUCATION (3)**
 EDPE 460 **CURRICULUM IN PHYSICAL EDUCATION (2)**
 EDPE 472 **STUDENT TEACHING: PHYSICAL EDUCATION K-12 AND SEMINAR (9)** A weekly seminar and daily laboratory experience in the elementary and in the secondary school teaching during the entire semester under master teachers. Prior to registration, the student must make a formal application by the stated deadline and meet GPA and other requirements on file in the Education Department.

SECONDARY EDUCATION

- EDSE 100 **FIELD EXPERIENCES: SECONDARY (1)** This course will provide structured field experiences in the elementary or secondary school setting under the direction of and supervision of faculty. Weekly seminars are held on campus. Prerequisite: EDSE 301. Permission of Director of Secondary Education is required.
- EDSE 131 **INTRODUCTION TO SECONDARY EDUCATION AND FIELD EXPERIENCES (3)** 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.
- EDSE 301 **SECONDARY METHODS AND FIELD EXPERIENCES (3)** The study of various instructional modes and strategies applicable to the high school teacher will be introduced. Methods will include techniques useful in a multicultural society and the use of appropriate media and technology. Field experiences are required. Materials fee: \$15.00. Corequisite: EDSE 303. Permission of Director of Secondary Education is required.

- EDSE 302 **SCHOOL CURRICULUM AND FIELD EXPERIENCES (3)** Planning, organization and development of the curricula of the elementary and the secondary schools. Principles, practices and planning will be included. Emphasis on student-centered learning. Field experiences are required. Permission of the Director of Secondary Education is required.
- EDSE 303 **SECONDARY CURRICULUM AND FIELD EXPERIENCES (3)** Planning, organization and development of the secondary curriculum will be studied. Theory, practice and evaluation of pupil learning will be included. Field experiences are required. Permission of Director of Secondary Education is required.
- EDSE 311 **CLINICAL EXPERIENCES: SECONDARY (1)** This course will provide clinical experiences in an elementary or secondary school setting tutoring students in order to gain practice in diagnosing learning problems, designing remediation, using assessment techniques to measure results. Weekly seminars are held on campus. Prerequisite: EDSE 301. Permission of Director of Secondary Education is required.
- EDSE 315 **DEVELOPMENTAL READING IN SECONDARY SCHOOLS (3)**
- EDSE 325 **TEACHING MODERN LANGUAGES AND FIELD EXPERIENCES (3)** The methods, materials and current trends in teaching foreign languages in grades K-12 will be studied. Field experiences are required. Permission of Director of Secondary Education is required.
- EDSE 438 **SURVEY: EXCEPTIONAL CHILDREN (2)** The exceptional child: developmental disabilities and handicapping conditions, etiology, classification systems, problems of adjustment. UNDERGRADUATE CREDIT ONLY.
- EDSE 470 **STUDENT TEACHING: SECONDARY AND SEMINAR (9)** A weekly seminar and daily laboratory experience in the secondary school teaching for one semester under a 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.
- EDSE 471 **STUDENT TEACHING: K-12 AND SEMINAR (9)** A weekly seminar and daily laboratory experience in the elementary and in the secondary school teaching during the entire semester under 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.

SPECIAL EDUCATION

- EDSP 271 **INTRODUCTION TO THE EMOTIONALLY DISTURBED CHILD (2)** Symptoms of maladaptive behavior in youngsters. Evaluation of etiological factors. Personality disorders. Services, facilities, and agencies for treatment.
- EDSP 305 **EDUCATION, PLANNING AND CURRICULUM DEVELOPMENT: DEVELOPMENTALLY DISABLED (2)** Methods, techniques, skills and competencies, current teaching styles. Curriculum planning and implementation, group and individual strategies for developmentally disabled.
- EDSP 311 **ASSESSMENT AND PRESCRIPTIVE TEACHING: MH (4)** Assessment procedures and techniques, diagnostic instruments, prescriptive teaching methods.
- EDSP 317 **EDUCATION OF MULTI-HANDICAPPED (2)** Psychology of the multi-handicapped, curriculum planning, task analysis, functional skills, use of prosthetic devices.
- EDSP 324 **SPECIAL TECHNIQUES: SBH (2)** Teaching techniques, modifying behavior, the disruptive child, special issues.
- EDSP 335 **SPEECH AND LANGUAGE DEVELOPMENT (2)** Acquisition, development and problems of speech and language. Assessment, remediation, and educational roles.
- EDSP 342 **EDUCATION AND PSYCHOLOGY OF THE GIFTED (2)** Characteristics and needs of the gifted students. Identification process. UNDERGRADUATE CREDIT ONLY.

- EDSP 343 **EDUCATION AND BEHAVIOR MANAGEMENT (2)** Instruction and curriculum, behavior modification and classroom management approaches, learning style relationship to behavior, behavior consultation models. Students in third or fourth year of study only.
- EDSP 347 **CURRICULUM METHODS AND MATERIALS: GIFTED (2)** Teaching learning models and strategy of higher levels of thinking. Practicum. UNDERGRADUATE CREDIT ONLY.
- EDSP 436 **OCCUPATIONAL INFORMATION AND JOB TRAINING (2)** Principles and techniques. Job classification, selection and placement. Curriculum development in occupational areas. Community agencies. Work experiences. Legal aspects. Placement. Follow-up services.
- EDSP 438 **SURVEY: EXCEPTIONAL CHILDREN (2)** The exceptional child: developmental disabilities and handicapping conditions, etiology, classification systems, problems of adjustment. UNDERGRADUATE CREDIT ONLY.
- EDSP 440 **INDIVIDUAL ASSESSMENT AND PRESCRIPTIVE TEACHING (4)** Fee: \$10.00. UNDERGRADUATE CREDIT ONLY.
- EDSP 441 **METHODS AND MATERIALS: EXCEPTIONAL CHILDREN (4)** UNDERGRADUATE CREDIT ONLY
- EDSP 443 **COUNSELING PARENTS OF EXCEPTIONAL CHILDREN (2)** UNDERGRADUATE CREDIT ONLY.
- EDSP 444 **EARLY CHILDHOOD: EXCEPTIONAL CHILDREN (2)** Identification and assessment of pre-school and early primary age handicapped children. Curriculum modifications. Methods and materials for education. UNDERGRADUATE CREDIT ONLY.
- EDSP 446 **PSYCHOLOGY OF THE EXCEPTIONAL CHILD (2)**
- EDSP 470 **TEACHING PRACTICUM: DH (2)**
- EDSP 471 **TEACHING PRACTICUM: MH (2)**
- EDSP 472 **TEACHING PRACTICUM: SBH (2)**
- EDSP 473 **TEACHING PRACTICUM: SLD (2)**
- EDSP 474 **TEACHING PRACTICUM: GIFTED (2)**
- EDSP 479 **EARLY CHILDHOOD: SPECIAL EDUCATION METHODS AND MATERIALS (3)**

SPORT MANAGEMENT

- EDSM 110 **INTRODUCTION TO SPORT MANAGEMENT (3)**
- EDSM 132 **SOCIOLOGY OF SPORT (3)**
- EDSM 322 **FACILITY AND EVENT MANAGEMENT (3)**
- EDSM 348 **LEGAL AND ETHICAL ISSUES IN SPORT (3)**
- EDSM 370 **BASIC AQUATICS AND POOL MANAGEMENT (2)**
- EDSM 377 **SPORT PSYCHOLOGY (3)**
- EDSM 471 **COMPUTER APPLICATION IN SPORT STUDIES (2)**
- EDSM 495 **INTERNSHIP IN SPORT MANAGEMENT (9)**

GRADUATE COURSES

ADMINISTRATION

- EDAD 515 **READING AND MATHEMATICS FOR ADMINISTRATORS** (3)
- EDAD 541 **ELEMENTARY SCHOOL ADMINISTRATION** (3) Criteria for an effective elementary school organization. Patterns of school organization, administrative problems, conflict resolution and interpersonal relations, management.
- EDAD 542 **SECONDARY SCHOOL ADMINISTRATION** (3) Organization of secondary schools, techniques of schedule making, administrative problems, management, conflict resolution, and interpersonal relations.
- EDAD 543 **SUPERVISION OF INSTRUCTION** (2) Theory and application of instructional supervision. Diagnosis of learner needs, appropriate instructional strategies.
- EDAD 544 **ELEMENTARY CURRICULUM** (3)
- EDAD 545 **SECONDARY CURRICULUM** (3)
- EDAD 549 **PROFESSIONAL NEGOTIATIONS AND COLLECTIVE BARGAINING** (2)
- EDAD 550 **SCHOOL ADMINISTRATION: ORIENTATION** (3)
- EDAD 560 **PUPIL PERSONNEL ACCOUNTING AND RECORDS MANAGEMENT** (3) Designed to prepare Kentucky school personnel for Director of Pupil Personnel.
- EDAD 561 **ADMINISTRATION OF PUPIL PERSONNEL SERVICES** (2) Duties and functions involved in administering pupil personnel services and in pupil accounting. Responsibilities of the director of pupil personnel. Systematized records management.
- EDAD 562 **POLITICAL STRUCTURES AND PUBLIC RELATIONS** (3) Relations of school and community. Effective use of public relations media – press, radio, television. The political system, structures, and schools.
- EDAD 563 **SCHOOL BUSINESS AFFAIRS AND PHYSICAL FACILITIES** (3) 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.
- EDAD 564 **ADMINISTRATION OF STAFF PERSONNEL** (3) Staff personnel program, hiring, fringe benefits, salary schedules, staff development and evaluation. Employer-employee relations, collective bargaining and contract management.
- EDAD 565 **SCHOOL LAW I** (3) Legal framework within which schools operate. Federal and state precedents. State code. Legal provisions for school finance.
- EDAD 566 **SCHOOL FINANCE AND ECONOMICS** (3) 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.
- EDAD 568 **SUPERVISORY PRACTICUM** (2)
- EDAD 570 **POLICY PLANNING AND EVALUATION** (3) Objectives. Evaluation of educational programs. Pupil achievement evaluation.
- EDAD 660 **CURRICULUM DESIGN AND TEACHING STRATEGIES** (3)
- EDAD 760 **COMPUTERS IN EDUCATION** (2)
- EDAD 765 **SCHOOL LAW II** (2)
- EDAD 766 **SCHOOL FINANCE II** (2)
- EDAD 767 **SUPERINTENDENT – SCHOOL BOARD RELATIONS** (2)
- EDAD 778 **ADVANCED ADMINISTRATIVE PRACTICUM** (3)

ATHLETIC TRAINING

EDAT 523	ADVANCED RECOGNITION AND EVALUATION OF INTERNAL INJURIES (3)
EDAT 542	ADVANCED MODALITIES AND REHABILITATION (3)
EDAT 543	ADVANCED ATHLETIC TRAINING (3)
EDAT 545	ADVANCED ORTHOPEDIC INJURIES I (3)
EDAT 546	ADVANCED ORTHOPEDIC INJURIES II (3)
EDAT 547	ADVANCED ORTHOPEDIC INJURIES III (3)
EDAT 586	ADVANCED KINESIOLOGY (3)
EDAT 592	ADVANCED SEMINAR/EXAM PREPARATION (3)
EDAT 595	ADVANCED INTERNSHIP IN ATHLETIC TRAINING (1-9)

CROSS LISTINGS

EDCL 500	ADVANCED COMPOSITION (3) Current theories on the teaching of writing in elementary school. Instruction and practice in expository writing.
EDCL 510	STATISTICAL TECHNIQUES (2) (PSYC 210) Basic statistics in psychology and education. Measures of central tendency and variability, correlational techniques, and experimental test of difference among groups.
EDCL 511	ADVANCED STATISTICS (3) (PSYC 511) Elementary correlational methods, serial correlation, multiple regression, non-parametric statistics, analysis of variation, and multivariate analyses. Prerequisite: EDCL 510.
EDCL 514	CURRICULUM DESIGN AND CONSTRUCTION (3)
EDCL 518	MARVA COLLINS: TEACHING METHODS AND STRATEGIES (3)
EDCL 529	BEHAVIOR THERAPY (3) (PSYC 529) Theoretical and empirical bases of behavior therapy. Projects using behavioral therapeutic techniques in a variety of settings with various clinical problems required.
EDCL 530	LEARNING AND MOTIVATION (3) (PSYC 530) Theories of learning and motivation. Concepts of drive, reinforcement, generalization, discrimination, transfer of training, retention, and forgetting.
EDCL 531	DEVELOPMENTAL PSYCHOLOGY (3).
EDCL 532	CHILD PSYCHOLOGY (2).
EDCL 533	ADOLESCENT PSYCHOLOGY (2).
EDCL 547	CONTEMPORARY PROBLEMS IN EDUCATION (1)
EDCL 561	SOCIAL PSYCHOLOGY (2).
EDCL 564	THEORIES OF PERSONALITY (2) (PSYC 504).
EDCL 565	PSYCHOLOGY OF WOMEN (2).
EDCL 566	CRIME AND PERSONALITY (3) (CJUS 566).
EDCL 574	PSYCHOLOGY OF ADJUSTMENT (2).
EDCL 577	ABNORMAL PSYCHOLOGY (2).
EDCL 580	PSYCHOPATHOLOGY (2) Study of descriptive and dynamic psychopathology via DSM and psychodynamic theory. Clinical interviewing and diagnostic criteria.
EDCL 582	INDIVIDUAL TESTS OF INTELLIGENCE (4) Underlying theory, administration, scoring, interpretation, and reporting of the individual tests of intelligence.
EDCL 608	GENERAL APTITUDE TEST BATTERY (GATB) TRAINING (1)
EDCL 660	CURRICULUM DESIGN AND TEACHING STRATEGY (3) School curriculum as personal and social environments and constructs, appropriate teaching strategies, examining personal/professional attitudes, practices, values, roles, goals. Evaluation.

COUNSELING

- EDCO 519 **COPING WITH DEATH AND DYING (2)**
- EDCO 533 **COUNSELING PRINCIPLES AND TECHNIQUES (3)** Theory of counseling, case method, relationships to testing and to other sources of data, interviewing, place and value of records, clinical procedures.
- EDCO 534 **ELEMENTARY SCHOOL GUIDANCE (2)** Principles, philosophy, administration, and organization of guidance services in the elementary school setting. Role and function of the counselor.
- EDCO 536 **GROUP PROCESS (3)** Laboratory course. Individual roles in the group. Interpersonal relations. For counseling, teaching, and persons involved in personnel work.
- EDCO 537 **ORGANIZATION AND ADMINISTRATION OF GUIDANCE SERVICES (2)** Principles. Administrative operations, budget, public relations, the guidance worker in the school, agency or institution, organization services.
- EDCO 538 **ALCOHOL AWARENESS AND TRAFFIC SAFETY (2)**
- EDCO 579 **PSYCHOLOGICAL AND ACHIEVEMENT TESTS (2)** Group tests. Testing procedures. Rationale of intelligence, aptitude, achievement, interest, and personality tests. Selection and evaluation of group tests.
- EDCO 620 **ALCOHOL EDUCATION (2)**
- EDCO 630 **HISTORY AND SYSTEMS IN AGENCY AND COMMUNITY COUNSELING (2)**
- EDCO 631 **SEMINAR: PROFESSIONAL COUNSELOR PRACTICES (2)**
- EDCO 632 **INTRODUCTION TO REALITY THERAPY (2)** Theory, practice, strength, dynamics of failure, success identity.
- EDCO 633 **SUBSTANCE ABUSE (2)** Follow-up of disease concept of alcoholism. Exploration of intervention techniques in alcohol and other drugs.
- EDCO 635 **GUIDANCE AND DISCIPLINE (2)** Approaches to discipline. Discipline and punishment. Current theories concerning discipline are reviewed that are helpful to teachers, counselors, and administrators.
- EDCO 636 **CAREER DEVELOPMENT AND INFORMATION SERVICES (3)** Vocational choice theories. Sources of occupational information. Career education models related to career development programs in various settings.
- EDCO 637 **COUNSELING IN GRIEF, BEREAVEMENT, AND MOURNING (2)**
- EDCO 638 **CROSS-CULTURAL COUNSELING (2)**
- EDCO 639 **DRUG COUNSELING (2)**
- EDCO 640 **FAMILY RELATIONS (2)**
- EDCO 662 **SPECIAL STUDY: COUNSELING (1-3)**
- EDCO 663 **SEMINAR: PROFESSIONAL REVIEW (2)**
- EDCO 669 **COUNSELING LAB (3)**
- EDCO 670 **FIELD EXPERIENCE (3)**
- EDCO 717 **COGNITIVE-BEHAVIORAL TREATMENT PROCEDURES WITH CHILDREN AND ADOLESCENTS (1)**
- EDCO 739 **NUTRITIONAL COUNSELING (1)**
- EDCO 747 **MARITAL AND FAMILY THERAPY (2)**
- EDCO 762 **SEMINAR: AGENCY AND COMMUNITY COUNSELING (1-3)**
- EDCO 773 **INTENSIVE COUNSELING PRACTICUM (2)**
- EDCO 776 **ADVANCED PRACTICUM: GUIDANCE (1)**

DRIVER EDUCATION

- EDDE 501 **INTRODUCTION TO DRIVER EDUCATION AND SAFETY (3)**
- EDDE 502 **ORGANIZATION/ADMINISTRATION OF DRIVER TRAINING-SAFETY EDUCATION (3)**

ELEMENTARY EDUCATION

- EDEL 511 **TEACHING SCIENCE** (2) Curriculum integrated course in science.
- EDEL 512 **TEACHING SOCIAL STUDIES** (2) Curriculum, multi-cultural implications.
- EDEL 514 **TEACHING READING** (3) Developmental process of reading, reading in the content areas, determining needs of children.
- EDEL 515 **TEACHING MATHEMATICS** (3) The modern mathematics curriculum in the elementary school. Materials, methods, and content.
- EDEL 517 **TEACHING LANGUAGE ARTS** (3) Curriculum, oral, and written language, spelling, mechanics of writing, linguistics. Multi-cultural implications.
- EDEL 526 **CHILDREN'S LITERATURE** (3) Survey of literature available for elementary age children; how to use literature in the classroom.
- EDEL 527 **ADOLESCENT LITERATURE** (3)

FOUNDATIONS

- EDFD 501 **PHILOSOPHY OF EDUCATION** (3) The historic development of educational philosophy and theories. Evaluation of major current philosophies. Societal differences.
- EDFD 502 **HISTORY OF AMERICAN EDUCATION** (3) Colonial period, the early national period, educational developments of the 19th century, the 20th century, the political, social, and economic scene. Multi-cultural society. Educational ideas.
- EDFD 503 **ADVANCED EDUCATIONAL PSYCHOLOGY** (3) Major aspects of child and adolescent growth and development. The learning process and factors influencing learning.
- EDFD 505 **EDUCATIONAL ADMINISTRATION** (3) 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. Multi-cultural implications.
- EDFD 507 **EDUCATIONAL RESEARCH** (2) Methodology of educational research. Statistics in research. Locating educational research. Corequisite: EDFD 508.
- EDFD 508 **EDUCATIONAL RESEARCH PAPER** (1) Corequisite: EDFD 507.
- EDFD 512 **ADVANCED STUDY AMERICAN EDUCATIONAL HISTORY** (3)
- EDFD 513 **PSYCHOLOGY FOR LEARNING AND TECHNOLOGY** (3)
- EDFD 543 **EDUCATION AND BEHAVIOR MANAGEMENT** (2)

LIBRARY MEDIA

- EDLM 521 **AUDIOVISUAL COMMUNICATION** (3) Design, production, selection/evaluation, utilization of media for instruction.
- EDLM 522 **VISUAL COMMUNICATION DESIGN** (3) Research and theory, design, production, and evaluation of still visual instructional informational, and aesthetic materials. Graphic and photographic materials.
- EDLM 523 **REFERENCE SERVICE** (3) Bibliographical and reference materials in subject fields. Training and practice in solving questions arising in reference services.
- EDLM 524 **CATALOGING AND CLASSIFICATION** (3) Theory and practice. Subject cataloging. Complex entries. Dewey Decimal and Library of Congress classifications. Library of Congress subject headings.
- EDLM 525 **ADMINISTRATION OF EDUCATIONAL MEDIA PROGRAMS** (3) Organization, administration, and utilization of elementary and secondary school media centers. Organizational and personnel management of educational media resources.
- EDLM 621 **INSTRUCTIONAL TO PRODUCTION** (3)
- EDLM 665 **INSTRUCTIONAL TECHNOLOGY** (3)
- EDLM 670 **ED MEDIA PRACTICUM: ELEMENTARY** (3)

- EDLM 671 **ED MEDIA PRACTICUM: SECONDARY (3)**
EDLM 673 **ED MEDIA PRACTICUM: K-12 (9)**
EDLM 675 **ED TECHNOLOGY PRACTICUM (3)**
EDLM 688 **SEMINAR: EDUCATIONAL TECHNOLOGY (3)** Current issues and developments in the application of technology in education and training. Future trends for technology in education and training.

HRD PROGRAM

- EDHR 601 **ADULT LEARNING (3)** Needs and characteristics of adult learner. Preferred learning style, personal experiences, human resources, change.
- EDHR 602 **PERSONNEL TRAINING, EDUCATION, AND DEVELOPMENT (3)**
EDHR 605 **DEVELOPING THE ADULT LEARNER (3)** 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.
- EDHR 606 **BEHAVING IN ORGANIZATIONS (3)** Understanding organizations as dynamic political, economic, and social systems that have multiple goals. Understanding organizational culture and the motivation for behavior.
- EDHR 607 **CONSULTING FOR ORGANIZATION EFFECTIVENESS (3)** 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.
- EDHR 608 **ADVISING FOR CAREER DEVELOPMENT (3)** Developing a personal plan for self-growth. Helping others identify career plans that are aligned with organizational career-management processes.
- EDHR 609 **ASSESSING AND EVALUATING HRD PROGRAMS (3)** Identifying ideal and actual performance and performance conditions and diagnosing causes of discrepancies. Determining the impact of interventions on individual or organizational effectiveness.
- EDHR 610 **DESIGNING HRD PROGRAMS (3)** Preparing learning goals and objectives, and defining program content. Determining instructional methods, and scope and sequence of learning activities for lessons, courses, and curricula.
- EDHR 611 **DEVELOPING HRD PROGRAMS (3)** Preparing course material, job aids, and instructor guides. Includes exposure to print, computer audio, and video-based technology.
- EDHR 612 **FACILITATING LEARNING IN HRD PROGRAMS (3)** 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.
- EDHR 613 **MANAGING HRD PROGRAMS (3)** 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.
- EDHR 614 **APPLYING & DESIGNING HRD RESEARCH (3)** Reading, understanding, interpreting, applying and designing HRD research. Translating the information into implications for improved individual or organizational performance.
- EDHR 644 **MOTIVATION AND BEHAVIOR IN ORGANIZATIONS (3)** To help students gain knowledge of various concepts and controversies relating to attempts to explain the motivation and behavior of people in organizations.
- EDHR 665 **INSTRUCTIONAL TECHNOLOGY (3)** Instructional management functions, instructional development functions, instructional system components.
- EDHR 670 **PRACTICUM: PERSONNEL TRAINING, EDUCATION & DEVELOPMENT II (1-3)**

- EDHR 672 **PRACTICUM IN HUMAN RESOURCE DEVELOPMENT (1-3)**
 EDHR 680 **ADVANCED STUDY PERSONNEL TRAINING, EDUCATION & DEVELOPMENT(1-3)**
 EDHR 681 **SPECIAL STUDY: PERSONNEL TRAINING, EDUCATION & DEVELOPMENT (1-3)**
 EDHR 682 **SPECIAL STUDY IN HUMAN RESOURCE DEVELOPMENT (3)**
 EDHR 685 **ORGANIZATIONAL COMMUNICATION (3)**

MONTESSORI EDUCATION

- EDME 550 **METHODS OF OBSERVATION OF CHILDREN (3)**
 EDME 551 **MONTESSORI EDUCATION: PHILOSOPHICAL APPROACH (3)**
 EDME 552 **MONTESSORI CURRICULUM DESIGN AND TEACHING STRATEGIES I: PRIMARY (3)**
 EDME 553 **MONTESSORI MATH AND GEOMETRY METHODS (3)**
 EDME 554 **MONTESSORI LANGUAGE ARTS AND READING METHODS (3)**
 EDME 555 **MONTESSORI CULTURAL SUBJECTS – METHODS (3)**
 EDME 556 **MONTESSORI INTEGRATION OF THE CURRICULUM: PRIMARY (3)**
 EDME 559 **FULL DAY CHILD CARE METHODS (3)**
 EDME 563 **EARLY COGNITIVE DEVELOPMENT (3) (PSYC 653)** 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.
 EDME 564 **EARLY CHILDHOOD/MONTESSORI METHODS (3)**
 EDME 565 **EARLY CHILDHOOD/MATH AND LANGUAGE METHODS (3)**
 EDME 566 **MONTESSORI CURRICULUM DESIGN AND TEACHING STRATEGIES I: EARLY CHILDHOOD (3)**
 EDME 567 **MONTESSORI CURRICULUM DESIGN AND TEACHING STRATEGIES II: EARLY CHILDHOOD (3)**
 EDME 652 **CURRENT THEORY AND RESEARCH IN CHILD DEVELOPMENT (3)**
 The pre-schooler. Current theory and research are related to Maria Montessori's concept of the child.
 EDME 670 **MONTESSORI PRIMARY PRACTICUM I (3)**
 EDME 671 **MONTESSORI PRIMARY PRACTICUM II (3)**
 EDME 673 **MONTESSORI EARLY CHILDHOOD PRACTICUM I (3)**
 EDME 674 **MONTESSORI EARLY CHILDHOOD PRACTICUM II (3)**

PHYSICAL EDUCATION

- EDPE 569 **COACHING GOLF (3)**
 EDPE 571 **ADVANCED GYMNASTICS AND TUMBLING (3)**
 EDPE 572 **COACHING FOOTBALL (3)**
 EDPE 573 **COACHING BASKETBALL (3)**
 EDPE 574 **COACHING BASEBALL (3)**
 EDPE 575 **COACHING TRACK AND FIELD (3)**
 EDPE 576 **THEORY AND PRINCIPLES OF COACHING (3)**
 EDPE 578 **COACHING SOCCER (3)**
 EDPE 579 **COACHING TENNIS (3)**
 EDPE 585 **TRENDS; PHYSICAL EDUCATION IN ELEMENTARY SCHOOL (3)**
 EDPE 596 **ELEMENTARY SCHOOL HEALTH AND PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER (3)**

- EDPE 640 **ADMINISTRATION OF SCHOOL ATHLETIC AND PHYSICAL EDUCATION (3)**
 EDPE 642 **SENSORY INTEGRATION AND MOVEMENT EDUCATION (3)**
 EDPE 644 **NUTRITION FOR SPORT (3)**
 EDPE 652 **LEADERSHIP IN OUTDOOR EDUCATION (3)**
 EDPE 653 **BIOMECHANICS (3)**
 EDPE 654 **KINESIOLOGY (3)**
 EDPE 656 **ADAPTIVE PHYSICAL EDUCATION (3)**
 EDPE 667 **PHYSIOLOGY OF EXERCISE (3)**

READING EDUCATION

- EDRE 569 **FOUNDATIONS OF LITERACY (2)** Introductory course examining the philosophy of the reading process as it relates to holistic education.
 EDRE 570 **PSYCHOLOGY OF READING (2)** Perceptual nature of reading, learning principles and reading process, psychological basis of reading, personality factors in reading, motivation and reading interest, scope of the reading process.
 EDRE 572 **THEORIES IN TEACHING READING (2)** Sociological, psychological, and educational analysis of approaches. Objectives, curriculum planning, organizational plans, and instructional materials. Interrelationship of general reading skills and study skills.
 EDRE 675 **CURRENT RESEARCH IN READING (2)** Studies related to the process of and instruction in reading. Emphasis on classroom applications.
 EDRE 676 **ADVANCED CHILDREN'S LITERATURE (3)**
 EDRE 678 **DIAGNOSIS AND CORRECTION OF READING DISABILITIES (3)** Factors associated with reading problems. Diagnostic tests and remedial procedures. Prerequisite: EDRE 569 or 571.
 EDRE 679 **PRACTICUM IN READING (3)** Supervised practice in remedial and developmental reading. Prerequisite: EDRE 678. By reservation only.

CHILDREN'S LITERATURE

- EDLC 501 **ADVANCED CHILDREN'S LITERATURE (3)** Survey of the history and content of Children's literature through the study of various genre: picture books, traditional literature, poetry, fiction, non-fiction and informational books. Focus will be on current literature and classroom application.
 EDLC 505 **STORYTELLING (3)** Study and practice in the art of storytelling. Emphasis on both classroom application and formal program presentation.
 EDLC 510 **WRITING BOOKS FOR CHILDREN (3)** 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.
 EDLC 515 **ADOLESCENT LITERATURE (3)** Focused study of the literature available for classroom use of the adolescent. Current and classic authors and illustrators of both fiction and non-fiction studies.
 EDLC 520 **MULTICULTURAL LITERATURE (3)** Multiculturalism and the politics of Children's Literature. Study of literature by and about African Americans, Native Americans, Hispanics and other racially and ethnically diverse peoples. Strategies for classroom use and selection.
 EDLC 525 **ANALYSIS OF CHILDREN'S LITERATURE (3)** Critical evaluation of literature for children by genre, character, plot, setting, theme, point of view, style and tone.

SECONDARY EDUCATION

- EDSE 500 FIELD EXPERIENCES: SECONDARY (1)** This course will provide structured field experiences in the elementary or secondary school setting under the direction of and supervision of faculty. Weekly seminars are held on campus. Prerequisite: EDSE 501. Permission of Director of Secondary Education is required.
- EDSE 501 SECONDARY METHODS AND FIELD EXPERIENCES (3)** The study of various instructional modes and strategies applicable to the high school teacher will be introduced. Methods will include techniques useful in a multicultural society and the use of appropriate media and technology. Field experiences are required. Materials fee: \$15.00. Corequisite: EDSE 503. Permission of Director of Secondary Education is required.
- EDSE 502 SCHOOL CURRICULUM AND FIELD EXPERIENCES (3)** In this course the student will be studying the planning, organization and development of the curricula of the elementary and the secondary schools. Principles, practices and planning will be included. Emphasis will be placed on student-centered learning. Field experiences are required. Permission of the Director of Secondary Education is required.
- EDSE 503 SECONDARY CURRICULUM AND FIELD EXPERIENCES (3)** Planning, organization and development of the secondary curriculum will be studied. Theory, practice, and evaluation of pupil learning will be included. Field experiences. Permission of Director of Secondary Education is required.
- EDSE 511 CLINICAL EXPERIENCES: SECONDARY (1)** This course will provide clinical experiences in an elementary or secondary school setting tutoring students in order to gain practice in diagnosing learning problems, designing remediation and using assessment techniques to measure results. Weekly seminars are held on campus. Prerequisites: EDSE 501. Permission of Director of Secondary Education is required.
- EDSE 515 DEVELOPMENTAL READING IN SECONDARY SCHOOLS (3)**
- EDSE 525 TEACHING MODERN LANGUAGES AND FIELD EXPERIENCES (3)** The methods, materials and current trends in teaching foreign languages in grades K-12 will be studied. Field experiences are required. Permission of Director of Secondary Education is required.
- EDSE 570 STUDENT TEACHING: SECONDARY AND SEMINAR (9)** A weekly seminar and daily laboratory experience in the secondary school teaching during the entire semester under a 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.
- EDSE 571 STUDENT TEACHING: K-12 AND SEMINAR (9)** A weekly seminar and daily laboratory experience in the elementary and in the secondary school teaching during the entire semester under 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.
- EDSE 572 STUDENT TEACHING: PHYSICAL EDUCATION 7-12 & SEMINAR (9)**
- EDSE 573 STUDENT TEACHING: PHYSICAL EDUCATION K-12 & SEMINAR (9)**
- EDSE 638 SURVEY: EXCEPTIONAL CHILDREN (2)**

SPECIAL EDUCATION

- EDSP 505 EDUCATION PLANNING AND CURR DEVELOPMENT: DEVELOPMENTALLY DISABLED (2)** Methods, techniques, skills and competencies, current teaching styles. Curriculum planning and implementation, group and individual strategies for developmentally disabled.
- EDSP 511 ASSESSMENT AND PRESCRIPTIVE TEACHING: MH (4)**
- EDSP 517 EDUCATION OF MULTI-HANDICAPPED (2)**
- EDSP 524 SPECIAL TECHNIQUES: SBH (2)**
- EDSP 535 SPEECH AND LANGUAGE DEVELOPMENT (2)**

- EDSP 542 **EDUCATION AND PSYCHOLOGY OF THE GIFTED (2)**
 EDSP 547 **CURRICULUM METHODS AND MATERIALS: GIFTED (4)**
 EDSP 571 **INTRODUCTION TO THE EMOTIONALLY DISTURBED CHILD (2)**
 EDSP 573 **EDUCATION AND BEHAVIOR MANAGEMENT (2)**
 EDSP 636 **OCCUPATIONAL INFORMATION AND JOB TRAINING (2)**
 EDSP 638 **SURVEY: EXCEPTIONAL CHILDREN (2)** The exceptional child: developmental disabilities and handicapping conditions, etiology, classification systems, problems of adjustment.
 EDSP 640 **INDIVIDUAL ASSESSMENT AND PRESCRIPTIVE TEACHING: EXCEPTIONAL CHILDREN (4)** Assessment techniques and procedures, diagnostic instruments, actual administration of instruments, prescriptive teaching methods. Practicum.
 EDSP 641 **METHODS AND MATERIALS: EXCEPTIONAL CHILDREN (4)** Instructional models for exceptional children. Materials, practical application. Practicum.
 EDSP 643 **COUNSELING PARENTS OF EXCEPTIONAL CHILDREN (2)** Understanding parental attitudes and problems. Overview of counseling and consultation approaches. Current legislation. Programming skills for parents and staff.
 EDSP 644 **EARLY CHILDHOOD: EXCEPTIONAL CHILDREN (3)**
 EDSP 646 **PSYCHOLOGY OF THE EXCEPTIONAL CHILD (3)** A typical child in regular and special classrooms. Methods of facilitating growth. Development of children who are crippled, retarded, hard of hearing, defective in vision, defective in speech, etc.
 EDSP 647 **INDIVIDUAL ASSESSMENT: EARLY CHILDHOOD SPECIAL EDUCATION (4)**
 EDSP 649 **EARLY CHILDHOOD: SPECIAL EDUCATION METHODS AND MATERIALS (4)**
 EDSP 670 **TEACHING PRACTICUM: DH (2)**
 EDSP 671 **TEACHING PRACTICUM: MH (2)**
 EDSP 672 **TEACHING PRACTICUM: SBH (2)**
 EDSP 673 **TEACHING PRACTICUM : SLD (2)**
 EDSP 674 **TEACHING PRACTICUM: GIFTED (2)**
 EDSP 675 **TEACHING PRACTICUM: EARLY EDUCATION OF HANDICAPPED CHILDREN (2)**

SPORT ADMINISTRATION

- EDSM 521 **PRINCIPLES OF MANAGEMENT IN SPORT ADMINISTRATION (3)**
 EDSM 522 **RESEARCH AND STATISTICS (3)**
 EDSM 523 **SPORT ADMINISTRATION SEMINAR (3)**
 EDSM 595 **SPORT ADMINISTRATION: MARKETING (3)**
 EDSM 596 **SPORT ADMINISTRATION: FINANCE (3)**
 EDSM 598 **LEGAL AND ETHICAL ISSUES IN SPORT AND PE (3)**
 EDSM 622 **PERSONNEL ISSUES IN SPORT MANAGEMENT (3)**
 EDSM 632 **SPORT EVENT MANAGEMENT AND PROMOTION (3)**
 EDSM 642 **SPORT FUND-RAISING (3)**
 EDSM 652 **NCAA: RULES, REGULATION, POLICIES (3)**
 EDSM 662 **PR AND COMMUNICATIONS IN SPORT (3)**
 EDSM 664 **FACILITY DESIGN AND PLANNING (3)**
 EDSM 668 **ADMINISTRATION OF FITNESS AND WELLNESS PROGRAMS (3)**
 EDSM 672 **MASTERS PRACTICUM (3)**
 EDSM 692 **MASTERS PROJECT (3)**
 EDSM 695 **INTERNSHIP IN SPORT ADMINISTRATION (6)**

THE DEPARTMENT OF HOSPITAL AND HEALTH ADMINISTRATION

The Department of Hospital and Health Administration offers a Master in Hospital and Health Administration (MHA) degree.

MASTER OF HOSPITAL AND HEALTH ADMINISTRATION

The Xavier University graduate program in Hospital and Health Administration is organized to prepare individuals for careers in health services management. The general mission of the program is to improve the health status and well-being of individuals and populations by increasing the effectiveness and efficiency of the financing, organization and delivery of health care services. Academic work and field experiences are designed to develop the conceptual, analytical, and interpersonal skills necessary to respond to this mission.

Students are accepted for admission to the program from a variety of academic backgrounds and work experiences. An ideal background would include exposure to the social and political sciences, statistics, accounting, decision sciences, and the communicative arts.

Prerequisites

Students are expected to have completed the following prerequisites prior to matriculation:

Basic Accounting 6 credit hours Basic Statistics 3 credit hours
Macroeconomics 3 credit hours

Curriculum

The course of study covers two calendar years including 16 months of didactic study and an 8 month administrative residency under the preceptorship of senior management in a health care organization.

The 60 graduate semester hours for the MHA degree include:

- a. 50 hours of course work, (41 required hours and 9 elective hours);
- b. 10 hours of Administrative Residency and Master's Project.

9 hours of electives may be taken as a concentration in one of the component areas or as general studies selecting courses from several components.

Academic Standing

A student must maintain a cumulative GPA of 3.000 (on a 4.000 scale). Grades below "C" are not accepted for graduate credit. If a student's GPA falls below 3.000 at the end of the semester, he/she will be placed on academic warning. If the cumulative GPA falls below a 3.000 any time after the first semester, the student will be dismissed from the MHA program.

Two unacceptable grades ("D" or "F") will result in dismissal from the MHA program.

If a provisionally admitted student receives a "D" or "F" in their first six hours of course work, they will be dismissed from the MHA program.

No credit is granted for courses in which a student received a grade of "D" or "F". If the course in question is a required MHA course, it must be repeated.

Component Areas

I. Organizational Behavior

- *Managerial Concepts in Health Care Organization
- *Theory in Planning and Strategic Management
- Executive Communications
- Marketing in Health Care Organizations

II. Economic/Political/Social Issues

- *Economics of Health Care and Public Policy
- *Health Care Legal Aspects
- *Ethical Issues in Health Care
- Politics in Health Care

III. Decision Quantitative Techniques

- *Continuous Quality Improvement Techniques in Health Care Management
- *Operations Research in Health Care Management
Advanced Quality Improvement Methods

IV. Finance

- *Corporate Finance for Health Care Organizations
- *Management Accounting for Health Care
- *Financial Management of Health Care Organizations
Reimbursement Systems

V. Systems & Settings

- *Community Health and Medical Care Analysis
- *Health Care Organization I
- *Health Care Organization II
Aging in Our Society
Administration of Agencies Serving the Aged
Ambulatory and Managed Care Systems
Administration of Institutions Serving the Aged

VI. Integration and Synthesis

- *Cases in Strategic Management
- *Institutional and Community Analysis
- *Practicum in Executive Development
- *Master's Project

Electives are available in business administration, psychology, education, theology, and through the Greater Cincinnati Consortium of Colleges and Universities.

* Required Course

Long-Term Care Administration

This concentration in the program is recognized by the Ohio State Board of Examiners of Nursing Home Administrators. As such, candidates completing this program may sit for the licensure exam immediately after receipt of the degree.

To fulfill this concentration within the program, the candidate must successfully complete the following courses. See course descriptions below.

HHSA 525 Aging in our Society

HHSA 535 Administration of Agencies Serving the Aged

HHSA 545 Administration of Institutions Serving the Aged.

Administrative Residency

Refer to the course descriptions below for information on the Administrative Residency.

Master's Project

Each MHA student is required to complete a Master's project as a condition for graduation. The project usually reflects an aspect of health systems management of interest to both the student and preceptor with a final approval from the faculty advisor.

Program Formats

To accommodate a variety of work schedules and life style preferences, the MHA program may be taken in three separate formats. The full-time day program; a weekend program with classes on alternate Fridays and Saturdays; and an evening program with classes on Tuesday/Thursday evenings.

Additional Information

Additional information about the full-time day, evening, or weekend program; including tuition and fees, is available upon request from the Graduate Program in Hospital and Health Administration office by calling (513) 745-3392.

Hospital and Health Administration (HHSa)

Staff: DR. BOCKLET, *acting chair and associate director*; DR. GEROWITZ, DR. MACDOWELL, DR. REAMY, MS. ROGERS, DR. ROTHE, DR. SCHICK

Assisted by: MR. BAYOWSKI, MR. BECKMAN, MR. BURKE, MR. MURPHY, MR. PHILIPPS, DR. POOLE, MR. STEVENS

- HHSA 500 **EXECUTIVE COMMUNICATIONS-COMPUTERS** (1) Designed to familiarize the student with basic computer operations and programs to assist them with their graduate studies and work.
- HHSA 522 **MARKETING IN HEALTH CARE ORGANIZATIONS** (3) Examines the use of marketing concepts, functions, and policies within health services.
- HHSA 525 **AGING IN OUR SOCIETY** (3) Examines the areas of biology, sociology, and psychology of aging. Research methodologies used in the field of aging are all stressed.
- HHSA 530 **REIMBURSEMENT SYSTEMS** (1) Studies the basic reimbursement principles of the governmental third party payors. Examines regulatory environment for the hospital and ancillary services as well as technical computations of DRG payments.
- HHSA 535 **ADMINISTRATION OF AGENCIES SERVING THE AGED** (3) Examines and evaluates the range and relationship of community services, both existing and proposed, for chronically ill patients and an aging population.
- HHSA 538 **AMBULATORY AND MANAGED CARE SYSTEMS** (2) Evaluates management issues encountered in various ambulatory care settings under a number of organizational arrangements.
- HHSA 541 **ADVANCED QUALITY IMPROVEMENT METHODS** (3) An advanced course in the application of quality improvement practices including total quality management and quality function deployment to service organizations. Prerequisite HHSA 611.
- HHSA 542 **POLITICS IN HEALTH CARE** (1) Applies the concepts and dynamics of power, authority, and influence to legislative and lobbying processes.
- HHSA 545 **ADMINISTRATION OF INSTITUTIONS SERVING THE AGED** (3) Examines the role of the administrator in developing and administering policies and programs to meet the needs of chronically ill patients of an aging population.
- HHSA 610 **CORPORATE FINANCE FOR HEALTH CARE ORGANIZATIONS** (3) The basic principles and techniques used in the financial management of a healthcare facility with special emphasis on the corporation.
- HHSA 611 **MANAGERIAL CONCEPTS IN HEALTH CARE ORGANIZATIONS** (3) The underlying principles and theories of organizational behavior are discussed and applied to the development of managerial skills for health services administrators.
- HHSA 612 **ECONOMICS OF HEALTH CARE AND PUBLIC POLICY** (3) Application of economic principles to the allocation of scarce resources in health care; cost-benefit relationships of health services; economics as a policy analysis tool.
- HHSA 614 **COMMUNITY HEALTH AND MEDICAL CARE ANALYSIS** (3) Encompasses the study of health and disease and the evaluation of acute care, preventative and chronic care interventions through the application of epidemiological and health service research methods.
- HHSA 615 **HEALTH CARE ORGANIZATION I** (3) Analyzes the U.S. health care system, focusing on delivery settings and effects of biological, behavioral, societal, organizational, and environmental factors.
- HHSA 620 **MANAGEMENT ACCOUNTING FOR HEALTH CARE** (3) Basic financial concepts, terms, and techniques to record changes in financial position and their results of operations in health care organizations.

- HHSA 621 **CONTINUOUS QUALITY IMPROVEMENT TECHNIQUES IN HEALTH CARE MANAGEMENT** (3) Introductory course in application of statistical quality control and total quality management in health care. While grounded in theory, the course is heavily oriented toward the practical application of quality improvement methods in health care settings.
- HHSA 622 **THEORY IN PLANNING AND STRATEGIC MANAGEMENT** (3) Concepts and theories underlying the relationships between organizations and their environments and the processes available to design and implement structures responsive to both external and internal demands.
- HHSA 625 **HEALTH CARE ORGANIZATION II** (3) Examines hospital departmental operations to enable the practitioner to organize and coordinate the efforts of each service so as to achieve cost effective patient care.
- HHSA 630 **FINANCIAL MANAGEMENT OF HEALTH CARE ORGANIZATIONS** (3) Emphasizes alternative reimbursement systems, budgeting and control processes, capital financing, feasibility analysis, and cost determination.
- HHSA 631 **OPERATIONS RESEARCH IN HEALTH CARE MANAGEMENT** (3) Techniques such as linear programming, inventory, queuing modeling, PERT/CPM, simulation, and statistical forecasting.
- HHSA 642 **HEALTH CARE LEGAL ASPECTS** (3) Describes the legal climate within which the health care institution operates, emphasizing legal concepts that influence the activities of health care administrators.
- HHSA 644 **ETHICAL ISSUES IN HEALTH CARE** (3) Introduces the student to dominant ethical theories and applicable principles and to the current major clinical and corporate issues in health care.
- HHSA 649 **CASES IN STRATEGIC MANAGEMENT** (3) Integrates management issues in ambulatory care, long-term care, acute care, and mental health settings. Concepts and techniques of organizational behavior, planning, finance, and control acquired in the core curriculum are applied.

Administrative Residency

- HHSA 720 **INSTITUTIONAL AND COMMUNITY ANALYSIS** (2) The student resident will receive first hand knowledge of operational problems of daily and continuing concern to management of health care institutions including: governance process; departmental structure, planning and financial management, and human resources development.
- HHSA 730 **PRACTICUM IN EXECUTIVE DEVELOPMENT** (2) Provides the student with the opportunity to observe executive role models and assess and develop their own management philosophies.
- HHSA 750 **MASTER'S PROJECT** (6) The project usually reflects an aspect important to both the student and the preceptor. The project may take the form of: hypothesis testing, management studies, competency demonstrations, or case studies analyzing organizational policy or program implementation processes.

THE DEPARTMENT OF MILITARY SCIENCE

The Department of Military Science offers a commission as a Second Lieutenant and provides an opportunity for men and women to study subjects of recognized military and educational value which assist them in gaining the foundations of intelligent citizenship. The primary purpose of this program is to produce quality leaders to serve as commissioned officers in the United States Army, the Army National Guard, and the Army Reserves.

A commission is earned through a two or a four year Reserve Officer's Training Corps (ROTC) program. The four year program is completed at the university and consists of lower division courses in the freshman and sophomore years followed by upper division courses in the junior and senior years. The two year program begins with a six week paid summer camp between the sophomore and junior years which teaches the student all subjects covered in the lower division courses. The student then completes the upper division courses during the junior and senior years. Lower division courses are taken on a voluntary basis. There is no military obligation incurred for taking Lower Division courses. The upper division courses qualify the student for a commission as an Officer in the United States Army. A military obligation is incurred for taking upper division courses. Admission to upper division courses must be approved by the Chair of the Military Science Department. Requirements for admission to upper division courses are:

1. Voluntary application by the student.
2. Completion of MILS 101, 103, 201, and 203; or completion of ROTC Basic Camp; or prior military service; or completion of Air Force, Navy, or Army ROTC lower division courses at other institutions; or completion of JROTC.
3. Demonstrated potential for leadership.
4. Successful completion of a US Army administered physical examination.
5. A GPA of at least 2.000.
6. Signing the ROTC Advanced Course Student Contract.
7. Junior academic standing.

RESERVED OFFICERS' TRAINING CORPS (ROTC)

COMMISSIONING REQUIREMENTS

Credit for Military Science courses is granted by the university. The credit hours for these courses may satisfy free elective requirements. To receive a commission, students must complete a baccalaureate program that includes one semester course from the following fields of study: human behavior, written communications, computer literacy, math reasoning, and management.

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Freshman Year			
MILS 101 - Intro. to Leadership I	1	MILS 103 - Intro. to Leadership II	2
MILS 102 - Leadership Laboratory*	1	MILS 104 - Leadership Laboratory* ...	1
Sophomore Year			
MILS 201 - Military Training and Speaking3		MILS 203 - Military History	3
MILS 202 - Leadership Laboratory*	1	MILS 204 - Leadership Laboratory*	1
Junior Year			
MILS 301 - Basic Military Tactics	3	MILS 303 - Advanced Military Tactics 3	
MILS 302 - Leadership Laboratory*	1	MILS 304 - Leadership Laboratory*	1
Senior Year			
MILS 401 - The Military Team	2	MILS 403 - Professional Development 2	
MILS 402 - Leadership Laboratory*	1	MILS 404 - Leadership Laboratory*	1

* Each Laboratory is a corequisite requirement.

Staff: LTC LOWER, *chair*; CPT FENNELL, CPT McFARLAND

Assisted by: MSG DOYLE, MR. LOCKARD, SFC STEPHENS, MR. WHEELER

Lower Division Courses

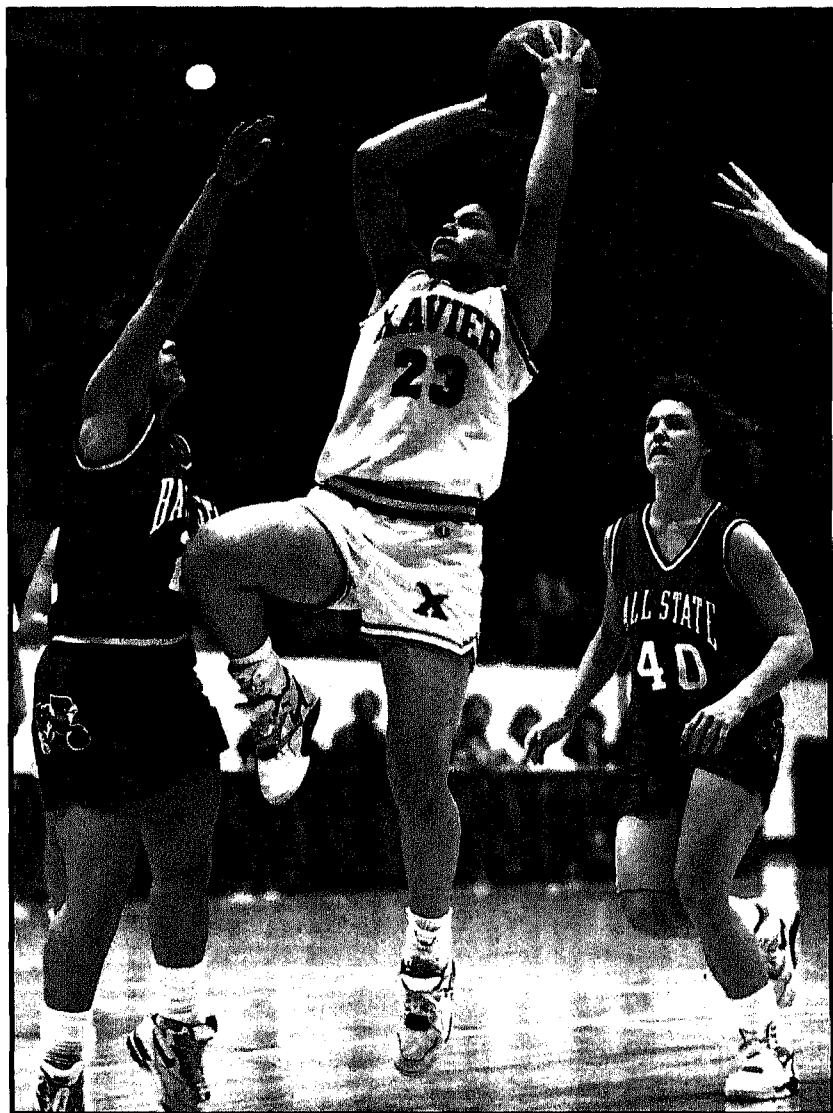
- MILS 101 **INTRODUCTION TO LEADERSHIP I** (1) Pragmatic approach to the psychology of motivating soldiers, to include introductory segments on the current structure of the United States defense organization.
- MILS 102-104 **FRESHMAN LEADERSHIP LABORATORY** (1) Military courtesy, customs and traditions of the service, development of self-confidence, drill and ceremonies, physical training, rappelling, rifle marksmanship training, and other basic skills.
- MILS 103 **INTRODUCTION TO LEADERSHIP II** (2) Analysis of Army leadership styles, behavior, group motivation, and performance counseling.
- MILS 105 **ROTC LEADERSHIP CAMP** (4) 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 Army ROTC advance course.
- MILS 201 **MILITARY TRAINING AND SPEAKING** (3) Speech fundamentals as applied to interpersonal, public, and group speaking within the military. Projects in military training, reporting and explaining, decision making, idea delivery, and military orders.
- MILS 202-204 **SOPHOMORE LEADERSHIP LABORATORY** (1) Functions and responsibilities of junior Non-commissioned 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.
- MILS 203 **MILITARY HISTORY** (3) A historical approach to the evolution and causes of warfare. The principles of war, economic elements of power, the models of battle analysis, and strategy analysis are applied to selected American military experiences.

Upper Division Courses

- MILS 301 **BASIC MILITARY TACTICS** (3) Squad tactics, map reading, and small unit operations. Military skills training.
- MILS 302-304 **JUNIOR LEADERSHIP LABORATORY** (1) 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 senior Non-commissioned Officers. Physical training and preparation for the summer advance camp are emphasized.
- MILS 303 **ADVANCED MILITARY TACTICS** (3) Small unit tactics, advanced tactics, and career development. Military skills training.
- MILS 399 **ARMY ROTC ADVANCED CAMP** (4) This training is conducted at Fort Bragg, North Carolina and normally takes place in the summer following the junior year. This internship is six weeks in duration and oriented on the execution of Advanced Military Tactics, Cadet Leadership ability, and physical endurance.
- MILS 401 **THE MILITARY TEAM** (2) The military team, staff functions, and military law. Military skills training.
- MILS 402-404 **SENIOR LEADERSHIP LABORATORY** (1) 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 duty participation in the planning and conducting of training.
- MILS 403 **PROFESSIONAL DEVELOPMENT** (2) Company administration, logistics, and management. Preparation for Army duties as a Second Lieutenant.
- MILS 499 **DIRECTED STUDY** (Credit to be arranged) Open to especially qualified students with the consent of the department chair.

AIR FORCE ROTC

The Department of the Air Force at the University of Cincinnati in cooperation with Xavier University provides the opportunity for qualified students to enroll in the Air Force Reserve Officer Training Corps (AFROTC) Commissioning program. Upon graduation and successful completion of the AFROTC program, the student will be commissioned as an officer in the United States Air Force. The Air Force courses are taught on the University of Cincinnati campus and may be taken through the consortium. For further information on scholarship and the AFROTC program, contact the Department of the Air Force at the University of Cincinnati, 556-2237.



THE DEPARTMENT OF NURSING

The Department of Nursing offers the Bachelor of Science in Nursing degree, the Associate of Science in Nursing degree, and the Master of Science in Nursing degree.

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

1. Liability insurance (\$1,000,000/\$3,000,000)
2. Current CPR certification
3. Health history and required physical examination form
4. MMR immunization
5. Yearly tuberculosis skin test (two-step)
6. Hepatitis B series (Associate degree students)
7. RN licensure in the State of Ohio (Bachelor and Master students only).

Students are responsible for these expenses as well as uniforms and transportation costs to, from, and while in cooperative teaching units. Students must provide their own transportation between campus and clinical agencies.

THE BACHELOR OF SCIENCE IN NURSING

(For Registered Nurses)

The Department of Nursing offers an NLN accredited upper division Bachelor of Science degree in nursing for registered nurses who are graduates of associate degree or diploma programs in nursing and currently licensed to practice in the United States. The program requires a liberal arts and science core curriculum as well as designated biological and social science courses as prerequisites. The curriculum focuses on meeting the specific learning needs of each student and on preparing professional nurses to practice nursing as generalists.

Registered nurses enter as transfer students and receive assistance from faculty advisors in developing a personalized, individual schedule of study, either on a full- or part-time basis. Contact the department chair for information (513-745-3814).

Requirements for the Nursing Major

1. Registered nurses must meet the Xavier University requirements of 120 credit hours for graduation. The prescribed sequence of courses can be found on the departmental advising sheets available in the Department of Nursing Office.
2. Achieve an overall grade point average of 2.500 for entrance to the 300 and 400 level nursing courses and a grade of "C" or better in the biological and chemical sciences and professional courses.

Prerequisite Courses* 49 hours

Natural Sciences/Mathematics	
Anatomy and Physiology**	..... 8
Microbiology**	..... 4
Chemistry**	..... 8
Computer Science+	..... 1
Elementary Statistics+	..... 3
Social/Behavior Sciences	
General Psychology**	..... 3
Introduction to Sociology**	..... 3
Developmental Psychology**	... 3
History**	..... 3
Liberal Arts	
E Pluribus Unum	..... 3
Introduction to Theology	..... 3
Ethics as Intro. to Philosophy	... 3
English Composition**	..... 3
Literature/Moral Imagination	..... 3

B.S.N. Courses 71 hours

Natural Sciences	
Advanced Physiology	..... 3
Social/Behavioral Sciences	
Psychology elective	..... 3
Sociology (upper division)	..... 3
Nursing Courses	
Entry level baccalaureate credit	.... 16
300 and 400 level nursing courses	. 29
Liberal Arts	
Theology Elective	..... 3
Medical Ethics	..... 3
Fine Arts	..... 3
Free Electives	..... 8

- * All courses must be completed prior to entry in 300 and 400 level nursing courses.
- ** May be waived by establishment of credit through challenge examinations.
- + Prerequisite for NURS 400.

THE ASSOCIATE OF SCIENCE IN NURSING

The Associate of Science degree in Nursing (ASN) is a two year academic program designed to prepare nurses to practice technical nursing skills in a hospital or other health care facility. Students in the program will be qualified to take the state licensure exam for RNs following graduation.

Admission to Xavier University does not guarantee admission to the Associate of Science in Nursing (ASN) program. Applicants are required to complete a separate application form for the ASN program, available from the Admissions Office, in addition to the standard application. Class size is limited, and acceptance to nursing classes is based upon the date the admission deposit is received. All applicants must provide evidence of satisfactory completion of a high school chemistry course. Students transferring to Xavier's ASN program must have attained a cumulative grade point average of 2.500 in their previous program. Letters of reference may be required.

Requirements: for the Associate Degree in Nursing

- 33 hours of nursing courses: NURS 101, 102, 103, 111, 112, 113, 201, 202, 203, 205, 211, 212, 213, 214
- 16 hours of biology and chemistry courses: BIOL 140, 141, 142, 143, 200 and 201, CHEM 140 and 141
- 22 hours of liberal arts courses: PHIL 100, THEO 111, ENGL 101, PSYC 101, SOCI 101, ENGL 205, UNST 100, and a history elective.
- A grade of "C" or better must be earned in all biological and chemical sciences, social sciences, and nursing courses.

THE MASTER OF SCIENCE IN NURSING

The program leading to the Master of Science in Nursing degree (M.S.N.) is designed to prepare nursing specialists to exert moral and ethical leadership for the improvement of nursing practice and in the investigation and resolution of nursing issues and problems. The program also provides a theoretical and practical base for doctoral study. The study of nursing administration, which prepares for initial and mid level nurse manager positions, currently is the area of concentration (specialty) available.

Program of Study

The curriculum consists of a minimum of 39 semester hours: 18 hours are specified for core nursing courses and 21 credits are designated for the nursing specialty concentration. The curriculum can be completed in three semesters on a full-time basis or within six years or less on a part-time basis.

- **Nursing Core** : 18 credits
 - NURS 501 Theoretical Basis for Nursing (3)
 - NURS 502 Nursing Research I (3)
 - NURS 506 Nursing Research II (2)
 - NURS 797 Nursing Research Project (1-4)* OR
 - NURS 799 Master's Thesis (1-4)*
 - NURS 690 Nursing Health Policy/Issues (3)
- * If 4 credits are not used for research, enrollment in a support course is required.
Support Course
 PSYC 511 Advanced Statistics

- **Nursing Administration Concentration:** 21 hours
 - NURS 630 Concepts of Nursing Management (3)
 - NURS 631 Practicum in Nursing Management (4)
 - NURS 632 Nurse Manager Role Concepts (3)
 - NURS 633 Practicum: Nurse Manager Role (4)
 - NURS 636 Financial Management in Nursing Administration (3)
 - Support Courses**
 - NURS 540 Data Management in Nursing Practice (1)
 - Electives selected from available options (3)

Admission Requirements

Applicants to the program should meet the following minimum criteria:

1. An overall GPA of 2.800 (on a 4.000 scale) from an N.L.N. accredited baccalaureate nursing program.
2. Completion of undergraduate courses in elementary statistics and introduction to research.
3. Satisfactory performance on the verbal, quantitative, and analytical parts of the Graduate Record Examination (GRE).
4. Licensure to practice nursing in the state of Ohio (evidence prior to entering courses with a clinical component).

A personal interview with a nursing faculty member is highly recommended. Applicants not meeting above requirements will be considered on an individual basis.

Application Procedures

The following materials must be on file one month before the first day of classes of the semester in which the applicant is planning to enroll:

1. Completed application form for admission to Graduate Programs along with current application fee.
2. The special application form for admission to the Department of Nursing.
3. Two copies of an official transcript (with seal) from each college and university (and hospital nursing program if applicable) which you have attended.
4. Scores on Graduate Record Exam.
5. Three letters of recommendation, preferably at least one from an undergraduate faculty member (if graduated within the last five years) and one from a current employer. Forms are provided in application package.

Nursing (NURS)

Staff: DR. PETTIGREW, *chair*; DR. AUGSPURGER, MS. BYRNE, MS. KING, MS. LANIG, DR. LUTZ, MS. MILLER, MS. MOORE, MS. NAMEI, MS. PROFFIT, MS. RIEG, MS. SCHMID, MS. SCHMIDT

A.S.N. Courses

- NURS 101 **INTRODUCTION TO NURSING** (4) An overview of the major concepts of the curriculum with emphasis on the nursing process and the roles of the associate degree nurse. Corequisite: NURS 111, BIOL 140, BIOL 141.
- NURS 102 **NURSING I** (2) Common psychological and social needs of adults and older adults, with emphasis on assessment, communication skills, and establishing therapeutic relationships. Corequisite: NURS 112. Prerequisites: NURS 101, NURS 111, BIOL 140, BIOL 141, PSYC 101.
- NURS 103 **NURSING II** (2) Application of the nursing process for adults experiencing needs and problems with hematological, cardiovascular, endocrine systems, and fluid and electrolyte balance. Corequisite: NURS 113. Prerequisites: NURS 101, NURS 111, BIOL 140, BIOL 141, PSYC 101.

- NURS 111 INTRODUCTION TO NURSING LAB (3)** Laboratory experience giving the student an opportunity to learn psychomotor and communication skills needed for the implementation of standard nursing interventions for clients with common well-defined health problems. Corequisite: NURS 101.
- NURS 112 NURSING I LAB (2)** Experiences in application of the nursing process in selected psychiatric/mental health and older adult settings. Corequisite: NURS 102. Prerequisites: NURS 101, NURS 111, BIOL 140, BIOL 141, PSYC 101.
- NURS 113 NURSING II LAB (2)** Experiences in application of the nursing process in selected medical-surgical settings. Corequisite: NURS 103. Prerequisites: NURS 101, NURS 111, BIOL 140, BIOL 141, PSYC 101.
- NURS 201 NURSING III (2)** Application of the nursing process for children and families experiencing common biological health needs and problems. Corequisites: NURS 211, CHEM 140, CHEM 141. Prerequisites: NURS 101-103, NURS 111-113, BIOL 140-143.
- NURS 202 NURSING IV (2)** Application of the nursing process for women across their life span. Discussion includes the newborn and the family. Corequisites: NURS 212, CHEM 140, CHEM 141. Prerequisites: NURS 101-103, NURS 111-113, BIOL 140-143.
- NURS 203 NURSING V (2)** Application of the nursing process for adults experiencing needs and problems with musculoskeletal, respiratory, hepatic, biliary, pancreatic, genitourinary, neurological, gastrointestinal, and sensory systems. Corequisites: NURS 213, NURS 214, NURS 205, BIOL 200, BIOL 201. Prerequisites: NURS 101-202, NURS 111-212, BIOL 140-143, CHEM 140, CHEM 141.
- NURS 205 ISSUES IN NURSING (1)** Analysis of current issues affecting nursing and the impact these issues have on quality care. Corequisites: NURS 203, NURS 213, NURS 214. Prerequisites: NURS 101-202, NURS 111-212, BIOL 140-143, CHEM 140, CHEM 141.
- NURS 211 NURSING III LAB (2)** Experiences in application of the nursing process in selected pediatric settings. Corequisites: NURS 201, CHEM 140, CHEM 141. Prerequisites: NURS 101-102, NURS 111-113, BIOL 140-143.
- NURS 212 NURSING IV LAB (2)** Experiences in application of the nursing process in selected women's health and newborn settings. Corequisites: NURS 202, CHEM 140, CHEM 141. Prerequisites: NURS 101-103, NURS 111-113, BIOL 140-43.
- NURS 213 NURSING V LAB (4)** Experiences in application of the nursing process with a group of clients while practicing the multiple roles of ASN nurse. Corequisites: NURS 203, NURS 214, NURS 205, BIOL 200, BIOL 201. Prerequisites: NURS 101-202, NURS 111-212, BIOL 140-143, CHEM 140, CHEM 141.
- NURS 214 CLINICAL TRANSITION LAB (1)** Experience with observing and assisting a nurse mentor in a variety of specialty practice areas. Corequisites: NURS 203, NURS 213, BIOL 200, BIOL 201. Prerequisites: NURS 101-202, NURS 111-212, BIOL 140-143, CHEM 140, CHEM 141.

B.S.N. Courses

- NURS 300 NURSING CONCEPTS AND PHILOSOPHY (3)** An overview of theories, concepts, and philosophies of professional nursing.
- NURS 301 NURSING PROCESS I (3)** Emphasis is placed on the nursing process and its relationship to community health concepts, community assessment, and the role of the nurse in family and individual physical and emotional health assessment. Corequisite: NURS 311 and BIOL 340. Co/Prerequisite: NURS 300.
- NURS 302 NURSING PROCESS II (3)** Exposes the student to the broad concepts of community health through application of the nursing process. Health promotion and disease prevention for the high-risk expanding family. Corequisite: NURS 312. Prerequisites: NURS 301, 311.

- NURS 304 **CULTURAL DIVERSITIES AND LIFE STYLES IN HEALTH AND NURSING** (2) World, national, and state health care needs and systems. Health care planning for diversified cultures. Cultural norms that influence nursing care and health practices. Prerequisite: NURS 300.
- NURS 310 **INDEPENDENT STUDY IN NURSING** (1-3).
- NURS 311 **NURSING PROCESS I PRACTICUM** (2) Practice settings for development of assessment skills are provided in campus laboratories and community agencies. Corequisite: NURS 301.
- NURS 312 **NURSING PROCESS II PRACTICUM** (2) Clinical experiences in the local health department and other related community agencies are employed. Corequisite: NURS 302.
- NURS 400 **INTRODUCTION TO NURSING RESEARCH** (2) An introduction to the basic theory of research in nursing. Research proposal is developed. Prerequisites: MATH 116 and CS 124.
- NURS 401 **NURSING PROCESS III** (3) Focus on concepts related to healthy behaviors of individuals in the young adult, middle, and later years. Corequisite: NURS 411. Prerequisites: NURS 302, 312.
- NURS 402 **NURSING PROCESS IV** (3) Leadership and management in nursing practice. Collaboration, coordination, evaluation, and advocacy in planning for and administering care to individuals, families and groups. Corequisite: NURS 412. Prerequisites: NURS 401, 411.
- NURS 404 **CONTEMPORARY ISSUES IN NURSING** (2) The course provides an opportunity for the student to study in depth some of the social, political, economic, and legal issues which will affect the role of the professional nurse in contemporary American society. Taken last semester of program.
- NURS 411 **NURSING PROCESS III PRACTICUM** (2) Health delivery for the adult client in a variety of health care agencies. Corequisite: NURS 401.
- NURS 412 **NURSING PROCESS IV PRACTICUM** (2) Principles of leadership and management in nursing are applied in a variety of health care settings. Corequisite: NURS 402.

Graduate Courses

- NURS 501 **THEORETICAL BASIS FOR NURSING** (3) Analysis of nursing models/framework/structures and their function in research, practice, and administration. Prerequisite: Graduate standing.
- NURS 502 **NURSING RESEARCH I** (3) Exploration of modes of inquiry for and methodological issues in systematic study of phenomena of concern to nursing. Pre/Corequisite: NURS 501, PSYC 511.
- NURS 506 **NURSING RESEARCH II** (2) Refinement of a proposal for an independent research project under faculty guidance. Practice in the analysis and interpretation of data. Prerequisite: NURS 502, PSYC 511.
- NURS 540 **DATA MANAGEMENT IN NURSING PRACTICAL** (1) Nursing informatics computer technology and nursing practice from a management perspective.
- NURS 630 **CONCEPTS OF NURSING MANAGEMENT** (3) Basic theoretical models, concepts and processes of management as utilized by professional nurses in a first line manager role. Pre/Corequisite: NURS 501.
- NURS 631 **PRACTICUM IN NURSING MANAGEMENT** (4) Application of basic concepts presented in NURS 530 in a health care setting. Pre/Corequisite: NURS 630.
- NURS 632 **NURSE MANAGER ROLE CONCEPTS** (3) Human resources management pertinent to first line manager role. Dealing with change, establishment of a climate conducive to the practice of professional nursing. Pre/Corequisite: NURS 631, NURS 636.
- NURS 633 **NURSE MANAGEMENT ROLE IMPLEMENTATION** (4) Experience in testing of concepts introduced in NURS 632. Critical appraisal of problems and issues in nursing administration. Pre/Corequisite: NURS 632.

- NURS 636 **FINANCIAL MANAGEMENT FOR NURSING ADMINISTRATION (3)** Fiscal accountability at unit level. Framework for analyzing and evaluating fiscal operations according to processes of planning, organizing, directing, and controlling. Corequisite: Graduate standing.
- NURS 690 **NURSING HEALTH POLICY AND ISSUES (3)** Examination of health policy and nursing issues from several perspectives. A capstone course. Pre/Corequisite: NURS 633.
- NURS 695 **SPECIAL TOPICS (1-3)** Individual or group in depth study of a specific topic under faculty supervision. Contract with instructor required before registration. Prerequisite: Instructor permission.
- NURS 797 **NURSING RESEARCH PROJECT (1-4)** Further development of skills in systematic inquiry under supervision of a faculty member. Contract with instructor. Prerequisite: NURS 506, contract with instructor.
- NURS 799 **MASTER'S THESIS (1-4)** Further development of skills in systematic inquiry under supervision of a faculty committee. Prerequisite: NURS 506, consent of committee chair.



THE DEPARTMENT OF OCCUPATIONAL THERAPY

The Department of Occupational Therapy offers the Bachelor of Science Degree and a Post-Baccalaureate Certificate Program in Occupational Therapy.

OCCUPATIONAL THERAPY

Occupational therapy, or "O.T." as it often called, is a health-care profession that uses occupation, or purposeful activity, to help those individuals whose abilities to cope with the tasks of daily living are impaired by developmental differences, physical injury, illness, or psychological disability. "Occupation" refers to all activities in which people (children, adults, or the elderly) engage in productively occupying their time and interest, including self-care, home management, social, work-related, or community and leisure activities.

Occupational therapists evaluate function through an analysis of human performance, relationships, and situations. They engage a person in experiential learning and problem solving activities. Through occupational therapy, people are guided in the acquisition of adaptive skills which may help them to increase independence, or to enable them to resume a more productive and satisfying role in society.

Occupational therapists need to be both people- and science- oriented. They must be creative, innovative, and well trained in the functions of mind and body. They work in hospitals, schools, nursing homes, and home health programs as employees of public or private institutions or as private practitioners. Specialties within the field include gerontology, pediatrics, developmental disabilities, mental health, prosthetics training, spinal cord rehabilitation, school-based practice, and work hardening. Most graduates serve primarily as clinicians, but many complete additional education and serve as occupational therapy educators, administrators, or researchers.

DEPARTMENT ADMISSION REQUIREMENTS

Students must meet the following criteria for admission to the Occupational Therapy Program:

- For 1993 admissions, a cumulative grade point average of 2.500, or better, on a four point grading scale.

NOTE: Minimum grade point average is being raised for admission for fall of 1994 to 2.750 for Bachelor's degree students and 3.000 for Post-Baccalaureate Certificate students.

- for Baccalaureate students, completion of at least 30 credit hours of basic liberal arts courses, which includes the specific prerequisite courses listed below.
- for Post-Baccalaureate Certificate students, a bachelor degree from an accredited college.
- completion of the following prerequisite course work, with grade of "C" or higher, and no more than 6 credit hours of these courses receiving a grade of "C":
 - English Composition or Rhetoric
 - General Psychology
 - College Math or Pre-Calculus
 - Anatomy and Physiology – two courses, with lab.

- documented exposure to the field of occupational therapy which would be accomplished through volunteer or paid work experience in an occupational therapy clinic or work setting. A minimum of 20 hours of supervised experience will be required for admission in the Fall of 1994. Documentation will be on Department Recommendation/Volunteer Experience Form which is included in the O.T. Admissions Packet. This form must be completed by an occupational therapist who supervised the student in a minimum of 20 hours paid or volunteer experience.

- if the prospective student is not already enrolled in Xavier University, a University "Application for Admission" form must be completed for degree seeking students. An application fee must also be submitted with application.
- submission of official copies of all transcripts and SAT or ACT scores. SAT/ACT scores are required for baccalaureate degree applicants only and should be sent to the Office of Admission. TOEFL score is required if applicant is from a foreign country. See the "Application and Requirements for Admission" section of this catalog, pp. 15-18.
- submission of an "Application for Admission to the Occupational Therapy Program" form to the Department of Occupational Therapy. These application forms will not be reviewed until the student has been accepted by the University and the above materials received.
- applicants who are certified occupational therapy assistants must be in good standing with the state occupational therapy licensing board.

THE BACHELOR OF SCIENCE DEGREE IN OCCUPATIONAL THERAPY

Requirements for the Occupational Therapy Degree

Prerequisite or Concurrent Courses Outside the Department

Natural Science and Applied Science:

- 8 hours of Anatomy and Physiology with lab (BIOL 140-143)
- 3 hours of Neuroscience with lab (BIOL 204)
- 3 hours of Kinesiology and lab (EDAT 386)

Mathematics:

- 3 hours of Principles of Contemporary Math or Precalculus (MATH 110, 120)
- 3 hours of Elementary Statistics (MATH 116)

Social/Behavior Sciences:

- 3 hours of General Psychology (PSYC 101)

Liberal Arts Core, including Ethics/Religion & Society Focus

- 1 hour of E Pluribus Unum (UNST 100)
- 3 hour of English Composition (ENGL 101)
- 3 hours of a Fine Arts elective
- 9 hours of Philosophy (PHIL 100, 290, 329 Medical Ethics)
- 6 hours of Theology (THEO 111, 218)
- 3 hours of Literature
- 6 hours of History
- 6 hours of Modern Language

Major Requirements

- 62 hours of Occupational Therapy courses: OTH 101, 143, 201, 302, 02, 311, 312, 303, 304, 305, 315, 325, 435, 306, 307, 308, 401, 402, 403, 404, 405, 406, 407, 408, 410

Transfer students who are Certified Occupational Therapy Assistants may be waived from several of the above courses with permission of the Department Chair. Agreement with Certified Occupational Therapy Assisting Program).

Students may be admitted to the Occupational Therapy Bachelor's Program in their Sophomore year, after completing the prerequisite 30 hours of undergraduate study listed above. In their Sophomore year they would take OTH 101, 143 and 201. The following courses must be completed before taking 300 or 400 level courses in the O.T. major:

- kinesiology
- neuroscience
- elementary statistics

Occupational Therapy Major courses must generally be taken in numerical sequence, although some would normally be taken concurrently, as the progression of learning experiences is based on foundation knowledge in prior course work.

THE POST-BACCALAUREATE CERTIFICATE PROGRAM

Requirements for the Occupational Therapy Certificate

Prerequisite or Concurrent Courses Outside the Department

Science requirement: 11 hours

- *Biology: Human Anatomy and Physiology with labs, (BIOL 140-143), Neuroscience (BIOL 204)

Social Science requirement: 3 hours

- *General Psychology (PSYC 101)

Mathematics requirement: 6 hours

- *Mathematics (MATH 110 or 120)
- Elementary Statistics (MATH 146)

Other Requirements: 9 hours

- Philosophy (PHIL 329, Medical Ethics)
- English Composition or Rhetoric (ENGL 101 or 115)
- Kinesiology and lab (EDAT 386)

- * These courses, or equivalent transfer credit, are prerequisites to admission to the Occupational Therapy Program. The other requirements listed above can be taken after admission, concurrent with 100 or 200 level occupational therapy courses, but must be completed prior to entry in 300 or 400 level courses in the occupational therapy major.

Major Requirements

- 62 hours of Occupational Therapy courses: OOTH 101, 143, 201, 302, 02, 311, 312, 303, 304, 305, 315, 325, 435, 306, 307, 308, 401, 402, 403, 404, 405, 406, 407, 408, 410

Transfer students who are Certified Occupational Therapy Assistants may be waived from several of the above courses with permission of the Department Chair. Agreement with Certified Occupational Therapy Assisting Program).

Occupational Therapy courses usually must be taken in numerical sequence, with some taken concurrently, as the progression of learning experiences is based on foundation knowledge in prior course work. The following courses must be completed before taking OOTH 300 or 400 level courses: MATH 146 Elementary Statistics, OOTH 143 Developmental Process: Physical and Psychological, EDAT 386 Kinesiology, BIOL 140-143 Human Anatomy and Physiology , and BIOL 204 Neuroscience.

Requirements for retention within the Occupational Therapy Bachelor of Science and Certificate Programs

1. Academic standing: a 2.800 cumulative average must be attained in all occupational therapy required courses. A student must obtain a grade of at least "C" in each professional course or support prerequisite course (such as Kinesiology, Neuroscience or Statistics) for that course to be counted as a credit for the Program or as a prerequisite for another professional course. A student who earns a grade of less than "C" in a professional class but is otherwise still eligible to continue in the Program may be eligible for a supplemental examination. If not, the student must repeat that class and achieve a grade of "C". Students can only repeat one required pre-professional or departmental course, and that course only once, to attain a grade of "C" or better.
2. Professional and Ethical Behavior: the student must manifest emotional and behavioral characteristics which, in the judgement of the department faculty, will not jeopardize his/her professional competence, or the ethical standards of occupational therapy. The department may refuse to permit a student to continue in the curriculum if at any time it is deemed by a review committee that the student will not be able to perform at a professional level.

Occupational Therapy (OCTH)

Staff: Dr. Bloomer, *chair*; Ms. Miller

Assisted by: Ms. Phillips Estes

Lower Division Courses

- OCTH 101 **OCCUPATIONAL THERAPY CONCEPTS AND PHILOSOPHY** (3) Survey of the profession of Occupational Therapy, including history, philosophy, role delineation, and an introduction to the different settings and practice specialties of occupational therapy. If space is available, is also open to non-OCTH majors who may be interested in applying to the program in the future.
- OCTH 143 **DEVELOPMENTAL PROCESS: PHYSICAL AND PSYCHOLOGICAL** (3) Human physical and psychological growth and development over the life span, including sensory, perceptual, motor, cognitive, social, and psychological processes.
- OCTH 201 **HUMAN OCCUPATION THROUGHOUT THE LIFE SPAN** (3) Introduction to the model of human occupation, a foundations course which examines integral concepts such as volition, roles, habit formation, temporal adaptation, and performance components of individuals in all age groups.

Upper Division Courses

- OCTH 302 **MEASUREMENT APPLICATION** (3) Measurement theory and concepts of standardization, reliability, validity, and standard error of measurement are used to assess routine occupational therapy methods of evaluating human occupation and functional performance. Prerequisites: OCTH 101, OCTH 143.
- OCTH 311 **THERAPEUTIC OCCUPATIONS I:** (3) Activity analysis, theory and process. Includes one hour lecture and four hours of lab per week, emphasizing engagement in and adaptation of individual creative-expressive and industrial activities. Prerequisites: OCTH 101, 201.
- OCTH 303 **DISABLING CONDITIONS I: BIOCHEMICAL/PSYCHOSOCIAL** (2) Common conditions seen by OTs in clients of all age groups with psychosocial and/or biochemical disorders. Etiology, symptoms, and course of each condition are reviewed and analysis of performance components affected by each. Prerequisites: OCTH 143, OCTH 201.
- OCTH 304 **OCCUPATIONAL THERAPY THEORY AND PRACTICE I:** Biochemical/ Psychosocial (4) Theory and process used in working with individuals with disabling conditions of a psychosocial or biochemical nature. Includes three hours of lecture and three hours of lab to observe and practice clinical procedures. Prerequisites: OCTH 101, 143, 201 Corequisites: OCTH 302, 303.
- OCTH 305 **INTRODUCTION TO CLINICAL PRACTICE** (2) Professional behaviors, attitudes, and judgements are discussed as an orientation to field work. Issues of patient confidentiality, student role, and use of supervision are covered. Prerequisites: OCTH 101, 201.
- OCTH 315 **LEVEL I FIELDWORK I** (1) A block of three hours per week is spent in clinical site. Beginning psychosocial practice skills are performed under close supervision. Prerequisites: OCTH 143, 201. Pre/Corequisites: OCTH 302, 303, 304, 305, 311. Permission of Department Chair is necessary.
- OCTH 306 **CONTEMPORARY TECHNOLOGIES LAB** (4) Non-traditional media and contemporary rehabilitation technology are used in the occupational therapy process for evaluation and treatment activities (use of video recording, computers, environmental controls, driving evaluations, etc). Prerequisites: OCTH 142, 201, 311.
- OCTH 312 **THERAPEUTIC OCCUPATIONS II:** (3) Continuation of Therapeutic Occupations I, with emphasis on activities of a large motor and verbal/social group nature. Includes one hour lecture and four hours of lab per week. Prerequisites: OCTH 143, 201, 311, 303, 304.

- OCTH 307 **DISABLING CONDITIONS II: NEURODEVELOPMENTAL/NEUROLOGICAL** (2). Etiology, symptoms, and course of conditions of a neurological or neurodevelopmental nature are reviewed and analysis of human performance components affected by each. Prerequisites: OCTH 143,201,302,303,304.
- OCTH 308 **OCCUPATIONAL THERAPY THEORY AND PRACTICE II: Neurodevelopmental/Neurological** (4). Theory and process used in working with individuals with disabling conditions of a neurological or neurodevelopmental nature. Includes three hours of lecture and three hours of lab to observe and practice clinical procedures. Prerequisites: OCTH 143,201,302,303,304. Corequisites: OCTH 307.
- OCTH 325 **LEVEL I FIELD WORK** (1) A block of three hours per week is spent in clinical site. Beginning practice skills in working with those with neurodevelopmental or neurological conditions are performed under close supervision. Prerequisites: OCTH 143, 201, OCTH 302,303,304,305,311, 315. Corequisites: 312,307,308. Permission of Department Chair is necessary.
- OCTH 401 **DISABLING CONDITIONS III: BIOMECHANICAL/REHABILITATIVE** (2). Etiology, symptoms, and course of disabling conditions of a biomechanical nature, or those that require rehabilitation after trauma or the disease process. Analysis of human performance components affected by each. Prerequisites: OCTH 143, 201, 302, 303, 304,306,307,308,325.
- OCTH 402 **OCCUPATIONAL THEORY AND PRACTICE III: BIOMECHANICAL/REHABILITATIVE** (4). Theory and process used in working with individuals with disabling conditions of a biomechanical nature or those that require rehabilitation after trauma, or the disease process. Includes three hours of lecture and three hours of lab to observe and practice clinical procedures. Prerequisites: OCTH 143,201, 302,303,304, 306,307, 308,325. Corequisites: OCTH 401, 435.
- OCTH 435 **LEVEL I FIELD WORK** (1) A block of three hours per week is spent in clinical site. Practicum experience for beginning skills in working with those with disabling conditions which require rehabilitation or those of a biomechanical nature. Prerequisites: OCTH 143,201,302, 303, 304, 305, 311,312,315,306,307,308,325. Corequisites: OCTH 401, 402. Permission of Department Chair is necessary.
- OCTH 403 **PROFESSIONAL ISSUES SEMINAR** (2). An in depth review of current professional issues in occupational therapy. Health care delivery, practice dilemmas, the role of professional associations in regulation, advocacy and political action. Prerequisites: OCTH 143, 201,302, 303,304, 305, 311,312,315,306,307,308,325, 401, 402, 435, and Pre/Corequisite OCTH 404.
- OCTH 404 **RESEARCH METHODS IN OCCUPATIONAL THERAPY** (3) Research methodology used in the service of scientific inquiry. Critique of selected research literature in occupational therapy, analysis of methods used, finding, and interpretation of results. Prerequisites: OCTH 143, 201, 302, 303, 304,305,311,312, 315,306,307,308,325,401,402,435. Corequisite OCTH 405.
- OCTH 405 **RESEARCH APPLICATIONS LAB** (2) Participation in the research process with clinical preceptor and/or a faculty tutor. Prerequisites: OCTH 143, 201,302,303,304,305,311,312, 315,306, 307, 308, 325, 401, 402, 435. Corequisite OCTH 404.
- OCTH 406 **MANAGEMENT OF OCCUPATIONAL THERAPY SERVICES** (4) Quality Assurance, supervision, departmental operations (planning space, budgeting, scheduling, record keeping, safety, supply maintenance). Includes reimbursement issues and impact of current health policy. Pre/Corequisite: OCTH 403,404.
- OCTH 410 **SPECIAL TOPICS IN OCCUPATIONAL THERAPY** (3) Students choose a group elective or independent study in specialized area of practice in OT. Permission of Department Chair is necessary.
- OCTH 407, 408, 409 **LEVEL II FIELDWORK** (6) Student Interns assigned full time to clinical facilities for two required 3-month rotations. The third rotation (OCTH 409) is optional, and dependent upon availability of sufficient specialty field work sites. Minimum requirement of 940 hours. Permission of Department Chair is necessary.

THE DEPARTMENT OF POLITICAL SCIENCE AND SOCIOLOGY

The Department of Political Science and Sociology offers three bachelor degrees: the Bachelor of Arts in Political Science, the Bachelor of Arts in International Affairs, and the Bachelor of Arts in Sociology, and Associate of Arts degrees in Political Science and Sociology. For information on the Associate degrees, contact the Center for Adult and Part-time Students.

THE BACHELOR OF ARTS IN POLITICAL SCIENCE

Political science plays an important part in the student's liberal arts education as well as 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 (see pp. 60-61): 64 hours, including

- Social Sciences Requirement: ECON 200 and ECON 201.

Major Requirements:

- 30-36 hours of Political Science courses: POLI 120, 140, 233, 352, 277, either 390 or 391, and 12-18 hours of Political Science electives.
- 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., Tokyo Japan, Oxford England, and Cincinnati. The Political Science major provides breadth which insures that the student is well grounded in the discipline and at the same time permits flexibility for concentration in a sub-field.

Requirements for the Political Science Minor

- 15 hours of Political Science courses: POLI 120, 140, 233 or 350, 277, and an elective (not 233 or 350).
- A 2.000 cumulative average must be attained in the Political Science courses.

Requirements for the Associate Degree in Political Science

Core Curriculum Requirements (see pp. 62): 28 hours

Concentration Requirements:

- 15 hours of Political Science courses: POLI 120, 140, 233 or 350, 277, and an elective (not 233 or 350).
- A 2.000 cumulative average must be attained in the Political Science courses.

THE BACHELOR OF ARTS IN INTERNATIONAL AFFAIRS

Field of Concentration

Business, Modern Europe, or Third World

The program in International Affairs is designed to equip students with a fundamental orientation in the field of international relations, to introduce the basic methods of studying international relations, and to provide training which will enable the student to make intelligent observations about international affairs. Employment opportunities are to be found in business, government and education. Graduates in the program have the necessary prerequisites for graduate study in business, law, and foreign affairs, including diplomacy.

Internship: 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., Tokyo Japan, and Oxford England. Students are also encouraged to seek such internships for themselves. Application to participate in an internship should be made to the Program Director. The student intern must be accepted by the corporation or agency.

All students should consult the Program Director when entering the program.

Requirements for the International Affairs Major

Core Curriculum Requirements (see pp. 60-61): 64 hours

- Social Sciences Requirement: ECON 200 and ECON 201.
- Modern Language Requirement included within the major.

Major Requirements:

- 18 hours of Political Science courses: POLI 140, 277, 374, 376, 378, and one course in the Third World.
- 18 hours of courses in chosen concentration: Business, Modern Europe, or Third World.
- 12 hours in a single foreign language.
- A 2.000 cumulative average must be attained in the Political Science and concentration courses.

Requirements for the International Relations Minor

- 18 hours of Political Science courses: POLI 140, 277, 374, 376, 378, and 373 or 379
- A 2.000 cumulative average must be attained in the Political Science courses.

THE BACHELOR OF ARTS IN SOCIOLOGY

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. Students interested in applied sociology should consult with the department.

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 (see pp. 60-61): 64 hours

- Mathematics Requirement: includes MATH 116 or MATH 156

Major Requirements:

- 30 hours of Sociology courses: SOCI 101, 180, 300, 352, 353, 365 or 366, and 12 hours of upper-division electives.
- A 2.000 cumulative average must be attained in the Sociology courses.

Requirements for the Associate Degree in Sociology

Core Curriculum Requirements (see pp. 62): 28 hours

Concentration Requirements:

- 15 hours of Sociology courses: SOCI 101, 180, 300, 352, and an elective.
- A 2.000 cumulative average must be attained in the Sociology courses.

Political Science and Sociology

Staff: DR. WEISSBUCH, *chair*; DR. MOULTON, DR. RAY, DR. STINSON, DR. WHITE

Assisted by: MS. BARLOW, MR. BEAUPRE, MS. GOODELL, DR. HEIGHBERGER, MR. MALONEY

Political Science (POLI)

Lower Division Courses

- POLI 120 **COMPARATIVE GOVERNMENT AND POLITICS** (3) Introduction to and comparison of political systems in several national settings.
- POLI 140 **AMERICAN GOVERNMENT AND POLITICS** (3) (CJUS 110) Introduction to the theory and practice of the American political system.

Upper Division Courses

- POLI 211 **CINCINNATI HISTORY AND POLITICS** (3).
- POLI 220 **GOVERNMENT AND POLITICS OF SOUTHEAST ASIA** (3) 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.
- POLI 240 **STATE AND LOCAL GOVERNMENT** (3) The structure, organization, and activities of state and local government.
- POLI 242 **URBAN AMERICA** (3).
- POLI 277 **INTERNATIONAL RELATIONS** (3) The theory of international relations, nationalism, imperialism, disarmament and arms control, diplomacy, collective security.
- POLI 285 **JAPAN AND THE ASIA-PACIFIC** (3) A survey of contemporary Japanese culture is followed by an analysis of Japanese public administration and government. Political aspects of economic foreign policy are also considered.
- POLI 301 **POLITICAL PHILOSOPHY** (3) Survey of the major Western political philosophers, including Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Marx and Mill.
- POLI 302 **LIBERALISM AND ITS CRITICS** (3)
- POLI 325 **NAZI GERMANY** (3) The rise and fall of Adolf Hitler, the Weimar Republic, origins of the NSDAP, the seizure of power, 1933, the "co-ordination" of Germany, the SS and Himmler, foreign policy, the persecution and murder of the Jews.
- POLI 326 **MODERN GERMANY** (3) Germany since 1945, the division of Germany, the economic recovery, political parties, interest groups, and parliament, the election system, executive branch, and federalism. The courts and legal system, foreign policy, the relationship with East Germany.
- POLI 340 **THE PRESIDENCY** (3) The nature and function of executive power in the American political system.
- POLI 345 **PRESSURE GROUPS AND CONGRESS** (3) A study of pressure groups and group theory as it applies to the United States. Special emphasis on the structure and operation of Congress.
- POLI 347 **CONSTITUTIONAL LAW** (3) Detailed reading of American constitutional law cases; the role of the Supreme Court in American politics.
- POLI 350 **AMERICAN POLITICAL THOUGHT** (3) Detailed reading of the writings of American statesmen from the founding to modern times with a view to understanding the United States as regime.
- POLI 352 **PRINCIPLES OF RESEARCH** (3) (SOCI 352).
- POLI 353 **APPLIED RESEARCH METHODOLOGY** (3) (SOCI 353).
- POLI 359 **CAMPAIGNS, ELECTIONS AND PARTIES** (3).
- POLI 373 **U.S. AND THE THIRD WORLD** (3) An examination of the historic estrangement between the U.S. and the Third World and attempts for contemporary cooperation.

- POLI 374 **UNITED STATES FOREIGN POLICY** (3) A survey of American foreign policy since World War II with special emphasis on contemporary issues.
- POLI 376 **INTERNATIONAL LAW** (3) The nature and uses of international law, international legal persons, recognition, and succession. State territory. Jurisdiction. The law of treaties. Legal regulation of use of force.
- POLI 378 **INTERNATIONAL ORGANIZATIONS** (3) The United Nations, modern society of sovereign nations, international law, diplomacy, arbitration and judicial settlement.
- POLI 379 **POLITICAL DEVELOPMENT** (3) A survey of the major theoretical approaches to the processes of political and social change.
- POLI 390 **SEMINAR IN INTERNATIONAL RELATIONS** (3) Senior comprehensive paper. Research methods.
- POLI 391 **SEMINAR IN AMERICAN GOVERNMENT** (3)
- POLI 392 **INTERNSHIP: WASHINGTON, D.C.** (6).
- POLI 394 **ADVANCED READING AND RESEARCH** Credit to be arranged.
- POLI 396 **INTERNATIONAL AFFAIRS INTERNSHIP** (3).
- POLI 398 **INTERNSHIP: CITY GOVERNMENT** (3) (SOCI 398).
- POLI 490 **DIRECTED STUDY.** Credit to be arranged.

Sociology (SOCI)

Lower Division Courses

- SOCI 101 **INTRODUCTION TO SOCIOLOGY** (3) Social behavior within the context of group structure, society, and culture. Basic sociological terminology and methodology.
- SOCI 180 **HUMAN SPECIES** (3) 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.

Upper Division Courses

- SOCI 232 **SOCIOLOGY OF SPORT** (3) Organized sport as an important institutional component of American culture and society.
- SOCI 245 **APPALACHIAN IN URBAN LIFE** (3) (ED 245) Subcultural contact with the urban community. Social and economic adjustment problems of this group.
- SOCI 246 **CINCINNATI HISTORY AND POLITICS** (3) (POLI 211).
- SOCI 250 **RACIAL AND ETHNIC MINORITIES** (3) Minority groups in contemporary United States. Social processes involved in dominant minority relations.
- SOCI 262 **WOMEN IN AMERICAN SOCIETY** (3) Women in social, economic and structural (bureaucratic) settings. An examination of changing roles and status.
- SOCI 264 **SOCIAL CHANGE** (3) (SOCW 263) Studying alterations in cultural patterns, social structure, and social behavior.
- SOCI 285 **MAGIC AND WITCHCRAFT** (3) Mysticism and the supernatural in social context. The meanings and functions of magic and witchcraft within various cultural contexts.
- SOCI 290 **CRIMINOLOGY AND PENOLOGY** (3) (CJUS 290) Causative theories of crime. Crimes and criminals in the context of behavioral systems. Policies and programs of legal treatment.
- SOCI 292 **JUVENILE DELINQUENCY** (3) (CJUS 292) Multiple factors involved in delinquent behavior. Definition, extent, causation, and treatment.
- SOCI 300 **SOCIOLOGICAL THEORIES** (3) European and American theorists. Origin, growth, and change of social order and the individual's place in society.
- SOCI 309 **ORGANIZATIONAL THEORY AND DESIGN** (3) See MG 309 Prerequisite: SOCI 316 or MG 305.

- SOCI 310 **MARRIAGE AND THE FAMILY** (3) (PSYC 310, THEO 310) Sociological insights concerning marriage and family systems. Dating, love, sex roles, and parenting.
- SOCI 316 **COMPLEX ORGANIZATIONS** (3) 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.
- SOCI 352 **PRINCIPLES OF RESEARCH** (3) (POLI 352).
- SOCI 353 **APPLIED RESEARCH METHODOLOGY** (3). Prerequisite: SOCI 352.
- SOCI 358 **URBAN AMERICA** (3) Historical development and demographic patterns of the city and its environs. Sociocultural and ecological perspectives used to examine urban, suburban, and rural areas.
- SOCI 365 **CLASS AND CLASS CONFLICT** (3) (CIUS 265) Class, status, and power in social life. Systems of social inequality examined within a cross-cultural perspective.
- SOCI 366 **UTOPIAN COMMUNITIES** (3) Course examines, in historical and contemporary settings, Utopian writings and actual attempts at establishing Utopian situations.
- SOCI 375 **SOCIOLOGY OF MEDICINE AND HEALTH CARE** (3) Critical perspective on issues in the health status of populations and distribution of medical services in society.
- SOCI 396 **INTERNSHIP: APPLIED SOCIOLOGY** (3).
- SOCI 398 **INTERNSHIP: SOCIAL SERVICE** (3) (POLI 397).
- SOCI 495 **DIRECTED STUDY** Credit to be arranged.



THE DEPARTMENT OF PSYCHOLOGY

The Department of Psychology offers the Bachelor of Science, the Associate of Science, and the Master of Arts in Psychology. For more information on the Associate degree, contact the Center for Adult and Part-time Students.

THE BACHELOR OF SCIENCE IN PSYCHOLOGY

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 in psychology, the department provides service courses to majors of other departments. The Bachelor of Science program in psychology aims to provide a general background for advanced studies in fields which presuppose understanding of human psychology such as clinical psychology, vocational and educational guidance, medicine, education, social work, and personnel work in business and industry.

Requirements for the Psychology Major

Core Curriculum Requirements (see pp. 60-61): 64 hours

- Mathematics Requirement: MATH 120/150 or MATH 150/151 or MATH 170/171.
- Science Requirement included within the major.
- Philosophy Requirement: 3 credit hours at 300 level or above beyond core requirements.

Major Requirements:

- 36 hours of required Psychology courses: PSYC 101, 210, 211, 221/223, 222/224, 231, 261, 277, 301, 499 and six hours of electives which the student should discuss with a faculty advisor.
 - a. Students planning graduate study are encouraged to take courses such as PSYC 321, 379, and 426.
 - b. Other students are encouraged to elect appropriate courses to fit their goals, e.g. PSYC 321 if entering business.
- 8 hours of Biology courses: BIOL 140, 141, 142, 143.
- A 2.000 cumulative average must be attained in the Psychology courses.
- Students must maintain contact with departmental faculty advisor each semester to aid in course scheduling, etc.

Requirements for the Psychology Minor

- 18 hours of Psychology courses: PSYC 101, 210, 221, 223, 277 or 231, 261, and 3 hours of electives from the following: PSYC 222 and 224, 231, 232, 233, 251, 274, 277, 301, 366.
- A 2.000 cumulative average must be attained in the Psychology courses.

Requirements for the Associate Degree in Psychology

Core Curriculum Requirements (see pp. 62): 28 hours

Concentration Requirements:

- 15 hours of Psychology courses: PSYC 101, and 12 hours of electives from PSYC 210, 221, 277, 231 or 232 or 233 or 267, 261 or 366 or 274, 301, 321, 379.
- A 2.000 cumulative average must be attained in the Psychology courses.

THE MASTER OF ARTS IN PSYCHOLOGY

The degree of Master of Arts in Psychology is designed to prepare students for continuing their graduate studies to the doctoral level and/or to prepare students for employment in the areas of business and social organizations and agencies.

Program of studies

1. To insure comprehensiveness in the program, all candidates must include each of the following courses, designed, in their whole, to provide integrated coverage of the graduate field of psychology. These courses are:
 - PSYC 504 THEORIES OF PERSONALITY (3)
 - PSYC 501 CONTEMPORARY THEORY IN PSYCHOLOGY (3)
 - PSYC 502 SEMINAR: PHILOSOPHICAL ISSUES IN PSYCHOLOGY (3)
 - PSYC 505 PROFESSIONAL PROBLEMS IN PSYCHOLOGY (1)
 - PSYC 511 ADVANCED STATISTICS (3)
 - PSYC 521 ADVANCED RESEARCH DESIGN & ANALYSIS (3)
2. To insure the attainment of the particular objective in graduate study in psychology, the student must include a concentration in one of the following areas which must be approved by the program director or his designate. Each area of concentration requires a 3 credit hour practicum.

General-Experimental Psychology

A minimum of 16 credit hours selected from the following courses: Individual Tests of Intelligence; Learning and Motivation; Physiological Psychology; Cognitive Psychology; Clinical and Research Issues; The Severely Mentally Disabled Patients; Research in Psychology; Early Cognitive Development. Other courses by permission of the program director.

Clinical Psychology

A minimum of 19 credit hours selected from the following courses: Psychopathology; Individual Tests of Intelligence, Personality Assessment I and II; Behavior Therapy; Counseling and Psychotherapy; Clinical and Research Issues; The Severely Mentally Disabled Patients. Other courses by permission of the program director.

Counseling Psychology

A minimum of 19 credit hours selected from the following courses: Psychopathology; Individual Tests of Intelligence; Personality Assessment II; Behavior Therapy; Clinical and Research Issues; The Severely Mentally Disabled Patients; Counseling and Psychotherapy. Other courses by permission of the program director.

Industrial/Organizational Psychology

A minimum of 16 credit hours selected from the following courses: Individual Tests of Intelligence; Psychology of Job Stress; Personnel Selection and Development; Motivation and Behavior in Organizations; Seminar in Industrial Psychology, and a selected course from another department. Other courses by permission of the program director.

3. Each student must register for PSYC 699 Master's Thesis (6 credit hours). The student will prepare an acceptable thesis which will be defended in the student's final oral examination.
4. The degree of Master of Arts in Psychology will be awarded only to candidates who have demonstrated a reading knowledge of a foreign language or demonstrated a proficiency in a computer language (PSYC 520) and, in final oral examination, have both successfully defended their thesis and successfully demonstrated their knowledge of the general field of psychology.

Admission Requirements

To be eligible for admission a student must have:

1. A 2.800 overall undergraduate grade point average and a 3.000 average in all psychology courses. This average is computed by assigning quality points of 4 for each credit hour of A.
2. Satisfactory performance on the MAT (Miller Analogies Test). Score required prior to acceptance.
3. A minimum of 18 undergraduate credit hours in psychology which must include general psychology, introductory statistics, experimental psychology with laboratory, and psychological and achievement testing. Courses in developmental and abnormal psychology are helpful. Courses in biological science and college mathematics are recommended as a preparation for graduate studies. In addition, a course in Industrial/Organizational Psychology and/or other prerequisites in business courses are necessary for I/O students.
4. Personality and character traits which are in agreement with ethical standards of psychology.

Application Procedures

Full-time students must complete the following procedures in advance of registration:

1. Submit to the Department of Psychology the completed application form for admission to Graduate Programs and special application form for admission to the Department of Psychology.
2. Submit official transcript of previous college work.
3. Submit report of MAT score to the Graduate Programs Office or arrange with the Department of Psychology for examination.
4. At times, a personal interview may be required by the Admissions Committee. The student will be notified by the Department of Psychology and arrangements for the interview will be made at that time.

Psychology (PSYC)

Staff: DR. NELSON, *chair*; DR. BARRY, DR. BERG, DR. COSGROVE, DR. CROWN, DR. DACEY, DR. EBERLEIN, DR. HART, DR. HELLKAMP, DR. KAPP, DR. KRONENBERGER, DR. QUATMAN

Assisted by: DR. BIELIAUSKAS, MR. DINERMAN, SR. FLEMING, DR. HEITZ, DR. HOCK, DR. HURRELL, MS. JACKSON, DR. MUNTEL, DR. MURPHY, DR. REID, MS. ROWEKAMP, DR. SCHMIDT, DR. SCHROEDER, DR. SEXTON

Lower Division Courses

- PSYC 100 **EFFICIENT READING AND STUDY SKILLS** (1) Reading comprehension, rate of reading, study habits. Increase ability to interpret, analyze, and evaluate general reading material and specific course areas.
- PSYC 101 **GENERAL PSYCHOLOGY** (3) Basic psychological processes such as sensation, perception, motivation, learning, psychological measurements, personality development.
- PSYC 121 **GENERAL EXPERIMENTAL PSYCHOLOGY I** (2) Introduction to the scientific method used in psychology, covering topics such as sensation, perception, learning, emotion, motivation. Fulfills science requirement for non-psychology majors. Corequisite: PSYC 122.
- PSYC 122 **GENERAL EXPERIMENTAL PSYCHOLOGY I LABORATORY** (1) (Three laboratory hours per week.) Laboratory experiments demonstrating principles described in the lectures (PSYC 121). Corequisite: PSYC 121.

- PSYC 123 **GENERAL EXPERIMENTAL PSYCHOLOGY II** (2) 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. Corequisite: PSYC 124. Prerequisite: PSYC 121/122.
- PSYC 124 **GENERAL EXPERIMENTAL PSYCHOLOGY II LABORATORY** (1) (Three laboratory hours per week.) Experiments demonstrating principles described in the lectures (PSYC 123). Corequisite: PSYC 123.
- PSYC 141 **HUMAN GROWTH AND DEVELOPMENT I: THEORY** (2) (EDFD 141).
- PSYC 142 **HUMAN GROWTH AND DEVELOPMENT II: PRACTICE** (2) (EDFD 142).

Upper Division Courses

- PSYC 210 **STATISTICAL TECHNIQUES** (3) (EDCL 510) Basic statistics in psychology and education. Measures of central tendency and variability, correlational techniques, and experimental test of differences among groups.
- PSYC 211 **COMPUTER APPLICATIONS FOR THE SOCIAL SCIENCES** (3) (SOCW 211) Introduction to the fundamentals of the use of personal computers and main frames. Examines measurements, data collection, data processing, statistical packages (SPSSX) and application, and word processing issues. Emphasis on basic knowledge for computer-based decision making and social science applications in applied settings.
- PSYC 215 **HUMAN LIFE CYCLE I: CHILD** (3) Psychological, physiological, and social development of the child from conception to adolescence.
- PSYC 221 **EXPERIMENTAL PSYCHOLOGY I** (2) Basic exploration of the scientific method as applied to psychology. Includes research design and appropriate statistical analyses. Prerequisites: PSYC 101, 210, 211. Corequisite: PSYC 223.
- PSYC 222 **EXPERIMENTAL PSYCHOLOGY II** (2) Advanced exploration of the scientific method as applied to psychology. Includes research design and appropriate statistical analyses. Prerequisite: PSYC 221. Corequisite: PSYC 224.
- PSYC 223 **EXPERIMENTAL PSYCHOLOGY I LABORATORY** (1) Development of hypotheses, design and carry out psychological research, analyze data and interpret results. Corequisite: PSYC 221.
- PSYC 224 **EXPERIMENTAL PSYCHOLOGY II LABORATORY** (1) Development of hypotheses, design and carry out psychological research, analyze data and interpret results. Corequisite: PSYC 222.
- PSYC 231 **DEVELOPMENTAL PSYCHOLOGY** (3) (EDCL 231) Factors influencing man's life span. Application to stages of physiological maturation, developmental tasks, social learning, personality integration.
- PSYC 232 **CHILD PSYCHOLOGY** (2-3) (EDCL 232) The genetic study of growth and development; hereditary and environmental factors; early and later childhood to puberty.
- PSYC 233 **ADOLESCENT PSYCHOLOGY** (2-3) (EDCL 233) Interrelated physical, social, and moral development associated with youth and adolescence.
- PSYC 261 **SOCIAL PSYCHOLOGY** (3) (EDCL 261, SOCW 261) The individual's personality, attitudes, and behavior in multi-individual situations.
- PSYC 271 **INTRODUCTION TO THE EMOTIONALLY DISTURBED CHILD** (2) (EDSP 271).
- PSYC 274 **PSYCHOLOGY OF ADJUSTMENT** (2) (EDCL 274) Progressive stages of development in emotional growth. Factors of adjustment and maladjustment in education, social relations, and occupations.
- PSYC 276 **PSYCHOLOGY OF DELINQUENCY** (2) (CJUS 276, CJUS 576, EDCL 276) Types and causes of juvenile delinquency together with brief case histories.
- PSYC 277 **ABNORMAL PSYCHOLOGY** (3) (EDCL 277) Dynamics of the disturbed personality; symptoms, causes, treatment of psychoneuroses, psychoses, deviant personalities.
- PSYC 285 **PSYCHOLOGY OF RELIGION** (3) The discipline which examines religiousness and the religious personality from a psychological perspective.

- PSYC 300 **HUMAN LIFE CYCLE II: ADOLESCENT - ADULT** (3) (SOCW 300) Psychological, physiological, and social approach to development and experience from adolescence to death. (Interdisciplinarily taught). Prerequisites: PSYC 101, 232 and SOCI 101.
- PSYC 301 **HISTORY AND SYSTEMS OF PSYCHOLOGY** (3) Modern scientific psychology including its various schools and their backgrounds.
- PSYC 310 **MARRIAGE AND THE FAMILY** (3) (SOCI 310, THEO 310) An interdisciplinary course taught simultaneously by a psychologist, sociologist and theologian, each looking at marriage and family from their perspectives. In addition, married couple specialists from law and medicine present as guest speakers.
- PSYC 321 **INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3) (HRES 330, MGMT 321) Psychological bases for organizational decisions from employment to the maintenance of motivation and job satisfaction of people. Research, measurement and practical application are emphasized.
- PSYC 365 **PSYCHOLOGY OF WOMEN** (3) (EDCL 365) Study of the biological, psychological, and social needs and issues of women.
- PSYC 366 **CRIME AND PERSONALITY** (3) (CJUS 266, CJUS 566, EDCL 266) Root causes of crime in the individual and in the culture. Consideration of personality dynamics and treatment approaches.
- PSYC 367 **PSYCHOLOGY OF AGING** (3) The interrelationship between biological-cognitive personality and social changes associated with aging.
- PSYC 379 **PSYCHOLOGICAL AND ACHIEVEMENT TESTS** (2-3) (EDCO 579) 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.
- PSYC 395 **DIRECTED STUDY** Credit to be arranged. Upon approval of dept. chair.
- PSYC 409 **GROUP DYNAMICS** (3) (SOCW 409) 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.
- PSYC 426 **PHYSIOLOGICAL PSYCHOLOGY** (3) An overview of the structure and function of the human nervous system as it is involved in human processes such as memory, emotion, learning, and psychopathology. Prerequisite: PSYC 221, 222.
- PSYC 427 **COGNITIVE PSYCHOLOGY** (3) Examines the human information processing system. Topics include attention, perception, sensory memory, short-term memory, long-term memory, reasoning and problem solving.
- PSYC 431 **CLINICAL & RESEARCH ISSUES: THE SEVERELY MENTALLY DISABLED POPULATION** (3) (SOCW 432) A survey of the chronic patients with severe emotional problems, etiology, diagnosis, and treatment issues.
- PSYC 452 **INTRODUCTION TO CLINICAL PSYCHOLOGY** (3) Provides an understanding of the different types of activities typically engaged in by clinical psychologists.
- PSYC 464 **THEORIES OF PERSONALITY** (3) (ED 464) Description and evaluation of current personality theories. Upon approval of dept. chair.
- PSYC 477 **SPORTS PSYCHOLOGY** (2-3) (EDCL 477) The course will deal with behavior and sports emphasizing the areas of personality and sports, anxiety and arousal in sports motivation, aggression, group dynamics, socialization and exercise.
- PSYC 481 **READINGS IN PSYCHOLOGY** (1-3) Library research project assisted and supervised by staff member. Final oral exam. Seniors, graduate students only. Required research paper. Upon approval of dept. chair.
- PSYC 490 **UNDERGRADUATE PRACTICUM IN PSYCHOLOGY** (1-3) Interviewing, behavior observation, test administration, report writing, and group dynamics through on-the-job training. Open to seniors only, upon approval of the department chair.

- PSYC 499 SENIOR COMPREHENSIVE REVIEW (3)** Required of all majors. May substitute original research project upon approval of department chair. Prerequisites: senior standing and department chair's approval.

Graduate Courses

The following courses are required of all graduate students: PSYC 501, 502, 504, 505, 511, 521, and 699.

- PSYC 501 CONTEMPORARY THEORIES IN PSYCHOLOGY (3)** Focus on concepts basic to current theory, research, and practice in psychology.
- PSYC 502 PHILOSOPHICAL ISSUES IN PSYCHOLOGY (3)** Historical development of basic psychological concepts from Aristotle to the present. Interrelations between science, art, philosophy, and theology in understanding human nature.
- PSYC 503 ADVANCED EDUCATIONAL PSYCHOLOGY (3) (EDFD 503)** The course is aimed at extending each student's knowledge of recent developments in psychology as applicable to the field of education.
- PSYC 504 THEORIES OF PERSONALITY (3)** Description and evaluation of current personality theories.
- PSYC 505 PROFESSIONAL PROBLEMS AND ETHICS IN PSYCHOLOGY (3)** Professional issues in psychology including principles of ethics and their applications.
- PSYC 511 ADVANCED STATISTICS (3)** Elementary correlational methods, serial correlation, multiple regression, non-parametric statistics, analysis of variance, and multivariate analyses. Prerequisite: PSYC 210.
- PSYC 520 COMPUTER STATISTICS LANGUAGE (2)** Application of SPSS and/or other computer packages to statistical analyses required for psychological research. (Usually taken concurrently with PSYC 511.)
- PSYC 521 ADVANCED RESEARCH DESIGN AND ANALYSIS (3)** Intensive survey of experimental procedures and advanced issues in experimental design and analysis; introduction to individual laboratory research with special focus on methodological issues in clinical research. Prerequisite: PSYC 511.
- PSYC 522 PERSONNEL SELECTION AND PLACEMENT (3) (HRES 615)** Principles underlying sound practices in personnel selection and placement. Job analysis, development and use of selection procedures, fair employment practices.
- PSYC 529 BEHAVIOR THERAPY (3) (EDCL 529)** 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.
- PSYC 530 LEARNING AND MOTIVATION (2-3) (EDCL 530)** 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.
- PSYC 532 PRINCIPLES OF GUIDANCE (2)** A basic introduction to the area guidance and counseling services in the schools.
- PSYC 533 COUNSELING PRINCIPLES AND TECHNIQUES (2-3) (EDCO 533)** Foundations of counseling, specific methods used in counseling, basic issues related to the counseling process and special problems that are part of the counseling process.
- PSYC 536 GROUP PROCESS (3) (EDCO 536).**
- PSYC 553 MARKETING RESEARCH (3) (MKTG 602).**
- PSYC 580 PSYCHOPATHOLOGY (3) (EDCL 580)** Study of descriptive and dynamic psychopathology via DSM and psychodynamic theory. Clinical interviewing and diagnostic criteria.
- PSYC 582 INDIVIDUAL TESTS OF INTELLIGENCE (4) (EDCL 582)** Theory, administration, analysis and report writing of individual tests of intelligence: Stanford-Binet, 4th Ed., WAIS-R and WISC-III. Permission of department chair is necessary.

- PSYC 584 **PERSONALITY ASSESSMENT TECHNIQUES I** (3) Administration, scoring, and interpretation of the Rorschach and TAT. Permission of department chair is necessary.
- PSYC 585 **PERSONALITY ASSESSMENT TECHNIQUES II** (3) The fundamental principles involved in the administration, scoring, analysis and evaluation of the MMPI, CPI, Bender-Gestalt, H-T-P and other tests are covered in this course. Permission of department chair is necessary.
- PSYC 589 **COUNSELING AND PSYCHOTHERAPY** (3) Theoretical and applied aspects of psychotherapeutic process. Permission of department chair is necessary.
- PSYC 590 **PRACTICUM: EXPERIMENTAL PSYCHOLOGY** (3).
- PSYC 591 **PRACTICUM: CLINICAL PSYCHOLOGY** (3).
- PSYC 592 **PRACTICUM: COUNSELING PSYCHOLOGY** (3).
- PSYC 593 **PRACTICUM: INDUSTRIAL PSYCHOLOGY** (3).
- PSYC 595 **SUPERVISED CLINICAL/COUNSELING EXPERIENCE** (3).
- PSYC 597 **INTERVENTION SKILLS FOR SEVERELY MENTALLY DISABLED** (3) A knowledge-based introduction to the theory, research and clinical issues involved in working with severely mentally ill persons and their families.
- PSYC 600-629 **WORKSHOPS AND INSTITUTES** Titles and credit hours will be announced in each individual case.
- PSYC 615 **GESTALT THERAPY** (1) Introduction to theoretical foundations and therapeutic techniques of Gestalt therapy with particular emphasis on experiential learning.
- PSYC 629 **THESIS PREPARATION WORKSHOP**
- PSYC 643 **SEMINAR: INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** (3).
- PSYC 644 **MOTIVATION AND BEHAVIOR IN ORGANIZATIONS** (3) (MGMT 644) To help students gain knowledge of various concepts and controversies relating to attempts to explain the motivation and behavior of people in organizations.
- PSYC 646 **PSYCHOLOGY OF THE EXCEPTIONAL CHILD** (3) (EDSP 646).
- PSYC 647 **CLINICAL STUDY OF THE EMOTIONALLY DISTURBED CHILD** (2) Introduces students to practical diagnostic and treatment procedures in their contact with the emotionally disturbed child.
- PSYC 648 **TEACHING PRACTICUM: LEARNING AND BEHAVIOR DISORDERS** (2-3).
- PSYC 649 **TEACHING INTERNSHIP: LEARNING AND BEHAVIOR DISORDERS** (4-6).
- PSYC 652 **CURRENT THEORY AND RESEARCH IN CHILD DEVELOPMENT** (3) (EDME 652).
- PSYC 653 **EARLY COGNITIVE DEVELOPMENT** (3) (EDME 563) 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.
- PSYC 670 **PSYCHOLOGY OF READING** (2) (EDRE 570).
- PSYC 689 **RESEARCH IN PSYCHOLOGY** (3) Titles to be specified.
- PSYC 699 **MASTER'S THESIS** (3-6).
- PSYC 716 **CHILDHOOD PSYCHOPATHOLOGY** (1) Identification, assessment and treatment procedures useful in working therapeutically with a range of psychological disorders experienced by children and adolescents.
- PSYC 747 **MARITAL AND FAMILY THERAPY** (2) Theoretical framework regarding marriage and the family, current research data on marital and family dysfunctions, diagnostic and the treatment methods presented along with practical training in marital and family therapy.

THE DEPARTMENT OF SOCIAL WORK

The Department of Social Work offers the Bachelor of Science in Social Work.

THE BACHELOR OF SCIENCE IN SOCIAL WORK

The Social Work Program at Xavier 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 objectives of the program are: (a) to graduate students who have a beginning level of competency for 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, and 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 a beginning level practitioner is the most significant.

Requirements for the Social Work Major

Core Curriculum Requirements (see pp. 60-61): 64 hours

- Mathematics Requirement includes MATH 116.
- Science Requirement includes BIOL 112, 120, 125, 127.
- Social Science Requirement: PSYC 101 and SOCI 101.

Major Requirements:

- 46 hours of Social Work courses: SOCW 104, 167, 208, 300, 315-316, 318, 325, 352, 415-416, 417-418, 419-420, 424.
- PSYC 232.
- Minimum of nine hours in related divisional work as specified in the Support Core (or other courses approved by the department chair).
- A 2.000 cumulative average must be attained in all major required courses including support core courses.

Support Core for Social Work

SOCW 211	Computer Applications	PSYC 221	Experimental Psychology I and
SOCW 264	Social Change	PSYC 223	Experimental Psychology I Lab
SOCW 265	Overview of Contemporary	PSYC 261	Social Psychology
	Corrections	PSYC 277	Abnormal Psychology
SOCW 270	Families in Poverty	PSYC 409	Group Dynamics
SOCW 307	Child Welfare	CJUS 101	Intro. to Criminal Justice
SOCW 310	Family & Society	CJUS 221	Juvenile Justice
SOCW 313	Lifestyles in a Changing	CJUS 260	Current Issues in Criminal Justice
	Society	CJUS 264	Contemporary Corrections
SOCW 330	Community Organizing	POLI 140	American Government
SOCW 337	Adolescence Crisis	POLI 233	Political Philosophy
SOCW 402	Child Abuse	COMM 101	Oral Communication
SOCW 412	Dynamics of Older Adults		
SOCW 432	SMD Population		
SOCI 290	Criminology & Penology		
SOCI 316	Complex Organizations		

Social Work (SOCW)

Staff: DR. LONG, *chair*; DR. HEWITT, DR. JENKINS

Lower Division Courses

- SOCW 101 **INTRODUCTION TO CRIMINAL JUSTICE** (3) (CJUS 101).
 SOCW 167 **INTRODUCTION TO SOCIAL WORK** (3) (CJUS 167) 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.

Upper Division Courses

- SOCW 204 **CONTEMPORARY SOCIAL PROBLEMS** (3) A systematic study of major social problems in modern society.
 SOCW 208 **ECONOMICS OF SOCIETY** (3) 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.
 SOCW 211 **COMPUTER APPLICATIONS FOR THE SOCIAL SCIENCES** (1-3) (PSYC 211) Introduction to the fundamentals of the use of personal computers and main frames. Examines measurements, data collection, data processing, statistical packages (SPSSX) and application, and word processing issues. Emphasis on basic knowledge for computer-based decision making and social science applications in applied settings.
 SOCW 221 **JUVENILE JUSTICE IN A CHANGING SOCIETY** (3) (CJUS 221).
 SOCW 260 **CURRENT ISSUES IN CRIMINAL JUSTICE** (3) (CJUS 260).
 SOCW 261 **SOCIAL PSYCHOLOGY** (2-3) (PSYC 261, EDCL 261).
 SOCW 264 **SOCIAL CHANGE** (3) (SOCI 264) Studying alterations in cultural patterns, social structure, and social behavior.
 SOCW 265 **OVERVIEW OF CONTEMPORARY CORRECTIONS** (3) (CJUS 264).
 SOCW 270 **FAMILIES IN POVERTY** (3) Analyzes the causes and consequences of poverty for families in America. Antipoverty policy responses are also considered.
 SOCW 300 **HUMAN LIFE CYCLE II: ADOLESCENT-ADULT** (3) (PSYC 300) Psychological, physiological, and social approaches to development and experience from adolescence to death. Interdisciplinary. Prerequisites: PSYC 101, 232, and SOCI 101.
 SOCW 307 **CHILD WELFARE** (3) (CJUS 307) Knowledge of child welfare services. Historical development of services to children, types of needs children have, types of organized services they receive, and personnel available to give services to children.
 SOCW 310 **FAMILY AND SOCIETY** (2-3) (EDCL 210) Marriage preparation, partner selection, marital adjustment, family structure and functions, and marital dissolution. Current problems facing the family, macro-intervention strategies for problem resolution.
 SOCW 313 **LIFESTYLES IN A CHANGING SOCIETY** (2-3) 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.
 SOCW 315 **SOCIAL INSTITUTIONS AS SYSTEMS** (3) A critical analysis of society's response to social welfare needs and problems; society's attempt to meet these problems through purposeful programs and organizations based on prevailing social values and in relationship to other societal institutions. Prerequisite: SOCW 167.
 SOCW 316 **SOCIAL POLICY AND CONTEMPORARY ISSUES** (3) Existing social welfare policy in light of current social issues, developing trends in social welfare policy and their impact on existing human needs.
 SOCW 318 **TRENDS IN MODERN SOCIETY: RACE RELATIONS** (3) (CJUS 318) Causes, effects, and forms of racial prejudice and stereotyping, social conditions and attitudes, individual and structural consequences are examined.

- SOCW 325 **WOMEN/MEN: MYTH AND REALITY** (3) 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.
- SOCW 330 **COMMUNITY ORGANIZING** (3) A study of the theories, principles, and techniques of community organization with an emphasis on practical research.
- SOCW 337 **ADOLESCENT CRISIS** (3) A study of issues and problems of the adolescent.
- SOCW 352 **RESEARCH METHODOLOGY** (3) An in-depth study of the basic steps and processes in scientific inquiry.
- SOCW 395 **DIRECTED STUDY** Credit to be arranged.
- SOCW 402 **CHILD ABUSE** (2-3) 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.
- SOCW 409 **GROUP DYNAMICS** (3) (PSYC 409).
- SOCW 412 **DYNAMICS OF OLDER ADULTS** (3) A study of issues and problems relevant to older adults.
- SOCW 415 **THEORY AND METHODS OF SOCIAL WORK PRACTICE I** (3) Theories and bodies of knowledge as a basis for social work intervention. Values and skills associated with the practice of social work. Prerequisites: SOCW 167, 300, 315, PSYC 232.
- SOCW 416 **THEORY AND METHODS OF SOCIAL WORK PRACTICE II** (3) Knowledge and application of the fundamentals of social work practice, the problem-solving process, effective use of self as an agent of change. Prerequisite: SOCW 415.
- SOCW 417-418 **SOCIAL WORK FIELD INSTRUCTION** (4,4) Students are provided with an opportunity to work directly with clients in an existing social service agency under the supervision of a skilled practitioner. Prerequisite: SOCW 415. Corequisites: SOCW 419, 420.
- SOCW 419-420 **SOCIAL WORK SEMINAR** (2,2) 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.
- SOCW 424 **RESEARCH PAPER** (1) A research paper is completed in a substantive area important to social work. Prerequisite: SOCW 352.
- SOCW 432 **RESEARCH AND CLINICAL ISSUES: SMD POPULATION** (3) (PSYC 431).

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Staff: Robert Ludke, *Director*, Linda Mueller, *Assistant Director*

The Centre provides inservice educational programs for the full range of health care professionals in a variety of settings.

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Development Assistant, WVXU***KATHERINE S. HAMMETT (1991)***BA, MS (Miami University)
Director, International Student Services***MICHAEL C. HANSON (1986)***Collection Manager***J. RICHARD HARRIS (1988)***BA, MBA (Miami University)
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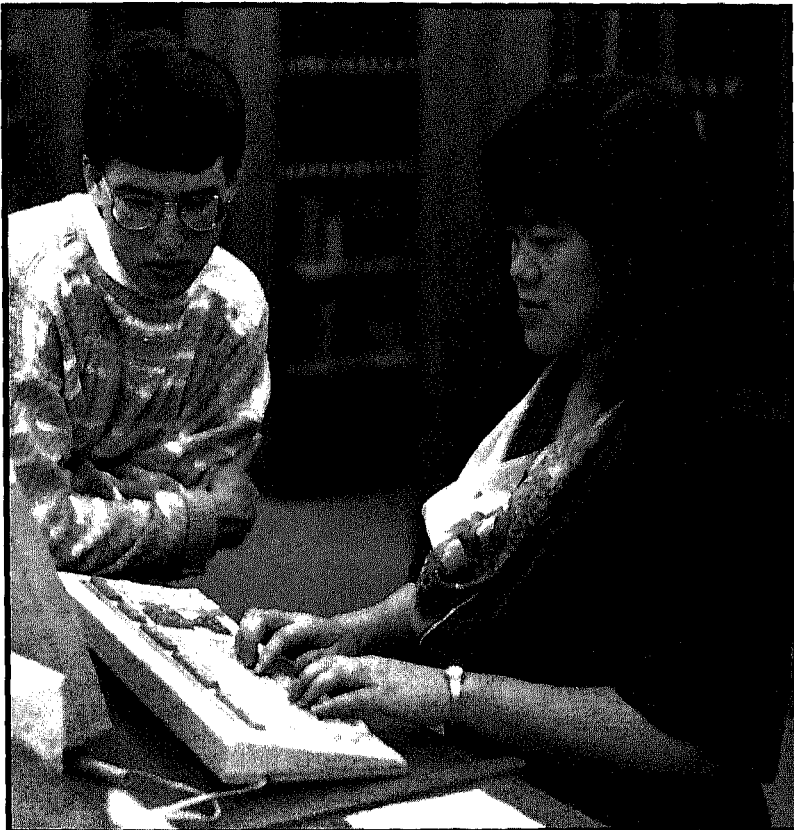
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Georgetown University (1789)*
Washington, District of Columbia

St. Louis University (1818)
St Louis, Missouri

Spring Hill College (1830)
Mobile, Alabama

Xavier University (1831)
Cincinnati, Ohio

Fordham University (1841)
The Bronx, New York

College of the Holy Cross (1843)
Worcester, Massachusetts

St. Joseph's University (1851)
Philadelphia, Pennsylvania

Santa Clara University (1851)
Santa Clara, California

Loyola College (1852)
Baltimore, Maryland

University of San Francisco (1855)
San Francisco, California

Boston College (1863)
Boston, Massachusetts

Canisius College (1870)
Buffalo, New York

Loyola University of Chicago (1870)
Chicago, Illinois

St. Peter's College (1872)
Jersey City, New Jersey

Regis College (1877)
Denver, Colorado

University of Detroit (1877)
Detroit, Michigan

Creighton University (1878)
Omaha, Nebraska

Marquette University (1881)
Milwaukee, Wisconsin

John Carroll University (1886)
Cleveland, Ohio

Gonzaga University (1887)
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University of Scranton (1888)
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Seattle University (1891)
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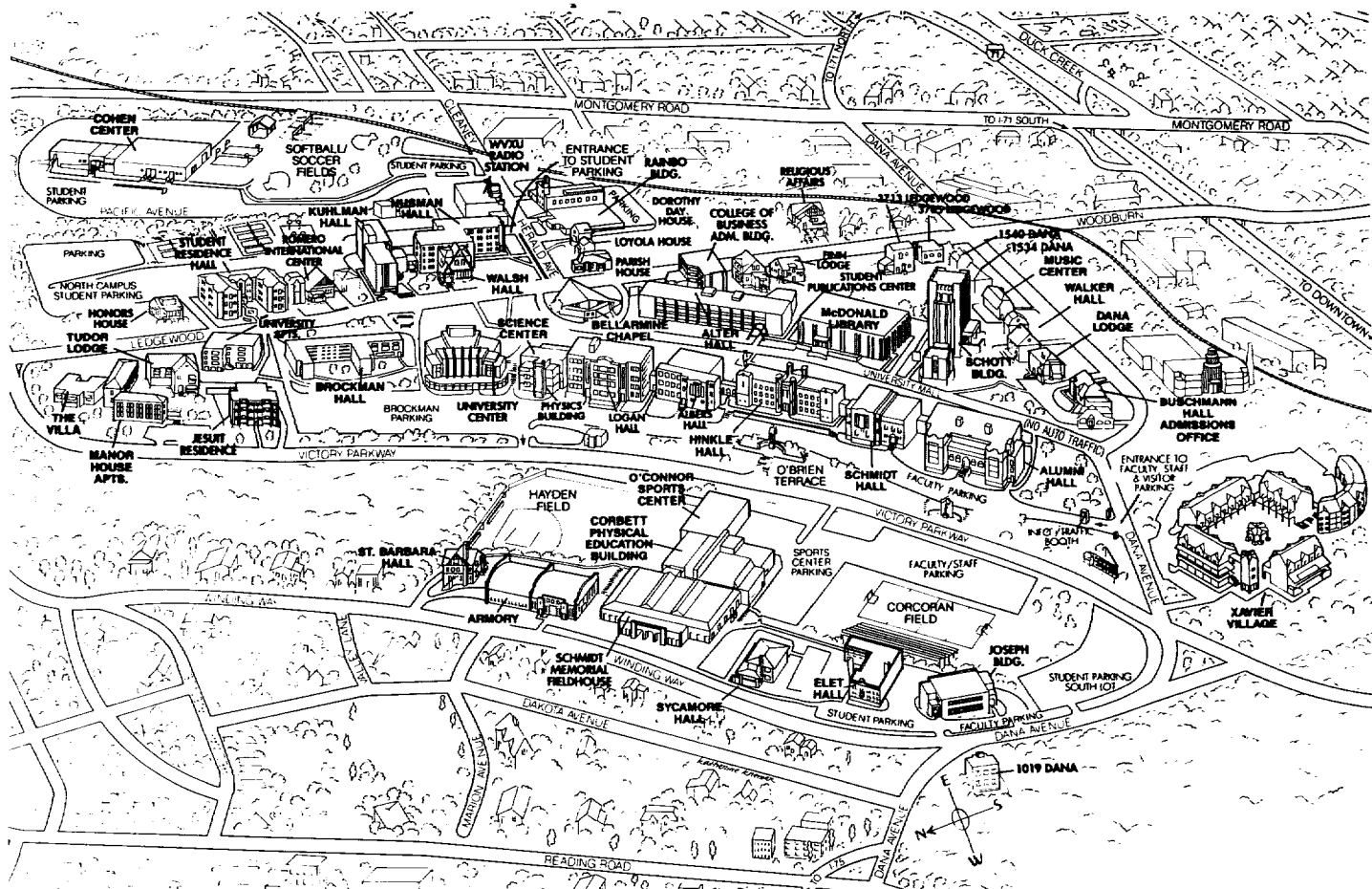
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