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Welcome from the President

Dear Undergraduate Student:

Welcome to Sacred Heart University, the second-largest Catholic university in New England. Whether you plan to pursue your degree as a full-time or a part-time student, I am confident that you will find in this catalog a program that will assist you in reaching your educational goals.

As we celebrate our 40th anniversary in 2003, we continue to take pride in the quality of the educational experience available to you. First and foremost is our distinguished faculty who excel in their respective fields of study and who are constantly enhancing or developing new courses, majors and concentrations. We are also continually improving the availability and use of technology both inside and outside the classroom. Our outstanding residential and recreational facilities and programs are also integral to the quality of the experience here.

We will encourage you to fall in love with learning so that you will continue to pursue knowledge all your life. In support of that ideal, we offer numerous graduate programs as well as non-credit and continuing education courses. And to prepare men and women to help lead our world, we also foster a sense of social responsibility and compassion. This will encourage you to use your knowledge and talents on behalf of the wider community, especially the poor, both while attending the University and long afterward.

Sacred Heart University is committed to being a place where personal attention leads to personal achievement. Therefore, as you use this catalog, please be assured that our faculty, administrators and staff are here to assist you in selecting courses or understanding programs of study. In fact, all of us in the University community look forward to working with you as you strive to combine education for life with preparation for professional excellence.

With every best wish, I am

Sincerely,

Anthony J. Cernera, Ph.D.
President
## UNDERGRADUATE ACADEMIC CALENDAR
### 2002–2003

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1. AHEAD Spring Term 3 finals will be held on Monday of Spring Break
2. Final exams begin Tuesday at 4 PM
Statement of University Policies

While every effort is made to ensure the accuracy of information provided in this catalog, Sacred Heart University reserves the right to make changes at any time without prior notice. The University provides the information in this catalog solely for the convenience of the reader, who may not rely upon it as a legal obligation, and, expressly disclaims any liability that may otherwise be incurred.

The University is committed to the concept of equal educational opportunities for all. Individuals are considered for admission to student status, and all services, facilities, programs and activities are administered in a nondiscriminatory manner without regard to race, religion, color, sex, national or ethnic origin, age or handicap.

The institution complies with the Family Rights and Privacy Act of 1974, which defines the rights and protects the privacy of students with regard to their educational records.

The University is an Equal Opportunity Employer and conforms to the regulations and policies of Affirmative Action and Title IX. It does not discriminate in its employment practices on the basis of race, color, national or ethnic origin, religion, age, sex or handicap.

Sacred Heart University is committed to the maintenance of a community environment where respect for the dignity and worth of each individual is demonstrated and where diversity and the free exchange of ideas can flourish. The maintenance of that community requires its members to avoid behavior that creates division, to promote behavior that enhances cooperation among groups and to encourage the development of each person as a unique individual.

The University does not condone racism, sexism, intolerance or any other acts of discrimination. The University is authorized under federal law to enroll nonimmigrant alien students.

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Debranne Cingari
Kindra Clineff
Tim Coffey
Vin Greco
Wayne Ratzenberger
Len Rubenstein
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The University
THE UNIVERSITY

Accreditation and Memberships

Accreditation
Sacred Heart University has been granted institutional accreditation by the New England Association of Schools and Colleges, one of six regional associations in the United States that accredit schools and colleges. Institutional accreditation is the means used by regional accrediting commissions to assure the educational community, the general public and other agencies and organizations that an institution has clearly defined and appropriate educational objectives and that it has established conditions under which its objectives can be met. Accreditation also provides that an institution is so organized, staffed and supported that it can continue to meet its objectives in the future.

In addition, several University programs either have received specialized accreditation or approval by the state of Connecticut, or have been granted specialized accreditation by national professional organizations. The Master of Arts in Teaching program is accredited by the Connecticut State Department of Higher Education; the Education program for teacher certification at the elementary and secondary levels is approved by the Connecticut State Department of Education; the Bachelor of Science in Nursing and Master of Science in Nursing programs are accredited by the National League for Nursing; the Master of Science in Physical Therapy program is accredited by the American Physical Therapy Association; the Bachelor of Arts or Science in Social Work program is accredited by the Council on Social Work Education; and the Legal Assistant program is approved by the American Bar Association.

The University is approved by the Connecticut State Department of Education for the education of veterans and their eligible dependents.

Memberships
AACSB, the Association to Advance Collegiate Schools of Business
Accreditation Council for Occupational Therapy Education (ACOTE)
American Accounting Association
American Alliance of Health, Physical Education and Recreation
American Association for Higher Education
American Association of Adult Continuing Education
American Association of College Baseball Coaches (AACBC)
American Association of Colleges of Nursing
American Association of Collegiate Registrars and Admissions Officers (AACRAO)
American Association of Collegiate Schools and Programs
American Association of Paralegal Education
American Chamber of Commerce in Luxembourg
American College Counseling Association (ACCA)
American College Health Association (ACHA)
American College of Sports Medicine
American College Personnel Association (ACPA)
American Council on Education (ACE)
American Counseling Association (ACA)
American Educational Research Association
American Football Coaches Association (AFCA)
American Library Association
American Management Association (AMA)
American Mathematical Society
American Occupational Therapy Association (AOTA)
American Physical Therapy Association (APTA)
American Psychological Association
American Society for Training and Development (ASTD)
American Society of Composers, Authors and Publishers (ASCAP)
Association for Computing Machinery
Association for Continuing Higher Education (ACHE)
Association for North East Business Deans
Association for Specialists in Group Work (ASGW)
Association for Student Affairs at Catholic Colleges and Universities (ASACCU)
Association of Catholic Colleges and Universities (ACCU)
Association of College and University Housing Officers (ACUHO)
Association of College and University Unions (ACUI)
Association of College Administration Professionals (ACAP)
Association of College and Research Libraries
Association of College and University Housing Officers International
Association of College Honor Societies
Association of College Unions International (ACUI)
Association of Collegiate Business Schools and Programs
Association of Conferences and Events Directors (ACED)
Association of Departments of English
Association of Governing Boards
Association of Graduate Programs in Ministry
Association of Institutional Research
Association of International Educators
Association of Professors/Researchers in Religious Education
Association of Schools of Allied Health Professions
Association of Student Judicial Affairs (ASJA)
Association of University Programs in Health Administration
Berkshire County Counselors Association (BCCA)
Bridgeport Regional Business Council
Canadian Academic Accounting Association
Catholic Campus Ministry Association
Chi Sigma Iota (CSI)
Chief Administrators of Catholic Education
College and University Personnel Association
College Art Association
College Athletic Business Management Association (CABMA)
College Athletic Trainers' Society (CATS)
College Board
College Consortium for International Studies
College Entrance Examination Board and Scholarship Service
Collegium
Colonial Athletic Association (CAA)
Community-Campus Partnerships for Health
Connecticut Association of Colleges and Universities for Teacher Education
Connecticut Association of Latino and Hispanic Education (CALAHE)
Connecticut Association of Professional Financial Aid Administrators (CAPFAA)
Connecticut Athletic Trainers' Association (CATA)
Connecticut Business and Industry Association
Connecticut Campus Compact Steering Committee
Connecticut Career Counseling Association (CCCA)
Connecticut Conference of Independent Colleges (CCIC)
Connecticut Council on Higher Education
Connecticut Counseling Association (CCA)
Connecticut Distance Learning Consortium
Connecticut League for Nursing
National Network of Libraries of Medicine
Connecticut School Counselor Association (CSCA)
Connecticut Softball Collegiate/Scholastic Hall of Fame (CSCSHF)
Connecticut Technology Council
Connecticut World Trade Association
Council for the Advancement and Support of Education (CASE)
Council of Graduate Schools
Council of Independent Colleges
Council on Social Work Education
East End Counselors Association (EECA)
Eastern Association of Colleges and Employers (EACE)
Eastern Association of Student Financial Aid Administrators (EASFA)
Eastern Athletic Trainers’ Association (EATA)
Eastern College Athletic Conference (ECAC)
Eastern Intercollegiate Volleyball Association
Entrepreneurial Women’s Network
Entrepreneurship Institute
European American Chamber of Commerce in the US
European Council of International Schools (ECIS)
Forum for World Affairs
Greater New Haven Chamber of Commerce
Greater Norwalk Chamber of Commerce
Greenwich Chamber of Commerce
Institute for European Studies/Institute for Asian Studies
Institute for International Education
Institute of Management Consultants
Intercollegiate Association for Marriage and Family Therapists
Intercollegiate Bowling Association
Intercollegiate Tennis Association (ITA)
International Consortium of the National Council of Teachers of English
International Federation of Catholic Universities (IFCU)
Kiwanis Club of Bridgeport
Library Administration and Management Association
Library Information Technology Association
Luxembourg American Chamber of Commerce (LACC)
Massachusetts School Counselor Association (MSCA)
Metro Atlantic Athletic Conference (MAAC)
Mathematics Association of America
Metro New York College Placement Officers Association (MNYPOA)
Modern Languages Association (MLA)
National Academic Advising Association (NAAA)
National Association for College Admission Counseling (NACAC)
National Association for Developmental Education
National Association for Lay Ministry
National Association for Pastoral Musicians
National Association of Athletics Compliance Coordinators (NAACC)
National Association of Campus Activities (NACA)
National Association of Catholic Colleges Admissions Counseling (NACAC)
National Association of Church Personnel Administrators
National Association of College Admissions Counselors
National Association of College and University Attorneys
National Association of College and University Business Officers
National Association of College Athletic Directors
National Association of College Auxiliary Services (NACAS)
National Association of College Basketball Coaches (NACBC)
National Association of Colleges and Employers (NACE)
National Association of Collegiate Directors of Athletics (NACDA)
National Association of Collegiate Marketing Administrators (NACMA)
National Association of Foreign Student Advisors
National Association of Foreign Student Affairs (NAFSA)
National Association of Graduate Admissions Professionals (NAGAP)
Mission and History

Mission Statement

The University is a coeducational, independent, comprehensive institution of higher learning in the Catholic intellectual tradition. Its primary objective is to prepare men and women to live in and make their contributions to the human community.

The University aims to assist in the development of people knowledgeable of self, rooted in faith, educated in mind, compassionate in heart, responsive to social and civic obligations and able to respond to an ever-changing world. It does this by calling forth the intellectual potential of its students, nurturing each one’s spiritual and moral growth and deepening in them a sense of social responsibility. The University is committed to combining education for life with preparation for professional excellence.

As a Catholic university, the institution seeks to play its appropriate role in the modern world. It exemplifies in its life the Judeo-Christian values of the God-given freedom and dignity of every human person. Inspired by the ecumenical spirit of the Second Vatican Council, the University welcomes men and women of all religious traditions and beliefs who share its concerns for truth, scholarship, the dignity of the human person, freedom and the betterment of human society. It values religious diversity as enhancing the community and creating opportunities for dialogue in the common search for truth.

The University challenges its students to think critically, analyze carefully, evaluate with a sense of justice and proportion, and convey conclusions in an intelligible and articulate fashion. It provides the environment in which students can develop the aesthetic dimension of life by nurturing their abilities to imagine, create and appreciate. It assists students to acquire a rich understanding of their own cultural and family heritages so as to assume their responsibilities as conveyors and creators of culture and family.

As a community of teachers and scholars, the University exists for the pursuit of truth. It joins with other colleges and universities in the task of expanding human knowledge and deepening human understanding. It encourages and supports the scholarly and artistic work of its faculty and students. Further, it has a responsibility to share its resources and its special gifts and talents for the betterment of the human community. All members of the University community are encouraged to participate in the wider community through service to others, especially the poor.

From its founding, the University has been recognized for its caring approach to students. This expresses the University’s belief that each student is born with a unique set of qualities and skills. It respects the personal and academic freedom of each of its members while, at the same time, fostering a genuine experience of community. By so doing, it creates the environment in which each person shares in common goals and a common commitment to truth, justice and concern for others.

History

Sacred Heart University was founded in 1963 by the Most Reverend Walter W. Curtis, Bishop of the Diocese of Bridgeport. It was established to provide an affordable, quality education at a local Catholic university. From its outset, the University bore the mark of innovation. Charting a new direction within American Catholicism, the University was to be led and staffed by the laity, independent and locally oriented, serving the needs of the diocese and of southwestern Connecticut.
Signs of the University's growth and vibrancy are evident. The enrollment has risen from the original class of 173 students to more than 6,000 full- and part-time undergraduate and graduate students in Fall 2001. Correspondingly, the faculty has increased from 9 to over 150 full-time professors and a cadre of dedicated adjunct faculty members.

The University has grown and enhanced the undergraduate student experience in several other ways. In 1990, it accepted for the first time students who wanted the “residential” experience. It now has seven residence halls, and 70% of the full-time undergraduate students live in University housing.

New degree programs and majors in relevant disciplines are consistently added to our curriculum. The University offers Division I athletics with 32 varsity teams. The $17.5 million William H. Pitt Health and Recreation Center is available to all students and the community at large. Recognizing the importance of technology, Sacred Heart University provides all undergraduate students with a laptop computer. The University campus is a wireless environment.

The University consists of four colleges: College of Arts and Sciences, College of Business, College of Education and Health Professions, and University College. The latter is committed to the adult learner and provides continuing education programs. Its evening, weekend and accelerated courses earn praise for their diversity and relevance to changing lifestyles.

An ever-widening outreach to the community balances the University's commitment to academic excellence. The Institute for Religious Education and Pastoral Studies (REAPS) has helped educate more than 23,000 men and women for pastoral and catechetical work and other Church ministries. And the Center for Christian-Jewish Understanding, which has earned the personal endorsement of Pope John Paul II, has become a global leader in fostering interreligious dialogue.

Closer to home, hundreds of students, faculty and staff volunteer their services in the community each year.

The administration, faculty and staff, and students are proud to carry the Founder's vision and the University's mission into the third millennium.

**Locations**

Located on 56 suburban acres in Fairfield, Connecticut, the main campus is just minutes from Exit 47 off the Merritt Parkway (Route 15), about one hour north of New York and two hours south of Boston.

Major extension sites of the University are located in Stamford, Derby, Shelton, and Lisbon, Connecticut. The University also offers a Master of Business Administration degree as well as a Graduate Certificate in Information Technology in the Grand Duchy of Luxembourg.

**Main Campus, Fairfield**

*Full-Time Admissions*

Sacred Heart University  
5151 Park Avenue  
Fairfield, CT 06825-1000  
Phone: 203-371-7880  
Fax: 203-365-4732  
E-mail: enroll@sacredheart.edu

*Part-Time Admissions*

University College  
Sacred Heart University  
5151 Park Avenue  
Fairfield, CT 06825-1000  
Phone: 203-371-7830  
Fax: 203-365-7500  
E-mail: uc@sacredheart.edu
Curriculum

The University seeks to respond to community needs with courses that offer up-to-date specialized information and skills. At the same time, it maintains a commitment to the intellectual development of its students within a well-defined liberal arts program—the humanities, the physical sciences and the social sciences.

The University offers baccalaureate candidates a choice of 29 majors in the areas of liberal arts, business and professional studies. Candidates seeking an associate degree can choose from among four degree programs. Within the Associate of Arts/General Studies degree there are 20 emphases.

Master's degree programs are offered in the fields of business administration (MBA), chemistry (MS), computer science and information technology (MS), Family/Nurse Practitioner (MSN), patient care services administration (MSN), physical therapy (MSPT), religious studies (MA), teaching (MAT), Master of Arts in learning (MA) and Master of Science in Occupational Therapy*. Professional certificates (Sixth Year) in administration and advanced teaching are also offered. A post-master's professional certificate is also available in Family/Nurse Practitioner.

A broad spectrum of short-term, noncredit courses, workshops and seminars is also offered by the University College each semester to meet the challenges of a dynamic and changing society.

* For information about occupational therapy and accreditation of educational programs, contact: the American Occupational Therapy Association (AOTA), P.O. Box 31220, 4720 Montgomery Lane, Bethesda, MD 20824; phone: 1-301-652-2682; web site: www.aota.org.
Admissions
ADMISSIONS

Admissions Process for Full-Time Study

The Office of Undergraduate Admissions coordinates the admission of prospective students under 23 years old interested in full-time study (12 credits or more per semester). The different categories of full-time admission and the appropriate application requirements are described below.

Freshman Admissions

A candidate for full-time admission to the University as a freshman should submit a completed application with the application fee, a high school transcript, two letters of recommendation, a writing sample, and SAT or ACT scores. (Sacred Heart University’s code is 3780 for the SAT and 0589 for the ACT.) An interview on campus is strongly recommended to complement the required credentials.

Transfer Admissions

The University accepts full-time students transferring from other regionally accredited colleges. Prospective transfer students are required to submit to the Office of Undergraduate Admissions an application for transfer admission along with their high school transcript, SAT scores, official college or university transcripts, two letters of recommendation, a writing sample, and the application fee. An interview on campus is strongly recommended.

A student who has left Sacred Heart University for more than a year is required to reapply for full-time admission to the University through the transfer admissions process.

International Admissions

In addition to the appropriate full-time admissions requirements for either a prospective freshman or transfer student, international applicants must submit the International Student Application Supplement. The supplement includes requirements for proficiency in the English language (i.e., TOEFL—Test of English as a Foreign Language) and submission of education credentials with English translations, as well as a financial statement for an F-1 Visa application.

Acceptance Process

Sacred Heart University enrolls full-time students in undergraduate programs of study in September and January.

The University accepts full-time students through the Early Decision program or on a Rolling Admissions basis. A student who is denied full-time admission is not allowed to begin classes on a part-time basis.

Early Decision Program

Students who consider Sacred Heart University their first choice and have demonstrated above-average academic performance may apply under one of the Early Decision programs. Contact the Office of Undergraduate Admissions for the Early Decision program application deadlines. The University’s Early Decision program is binding; therefore, students accepted to the University under the Early Decision program are required to submit a nonrefundable acceptance deposit. Students not accepted through the Early Decision program will be considered through the Rolling Admissions process.

Rolling Admissions Process

All other candidates for admission will be evaluated through the Rolling Admissions process. Decision letters for completed applications will begin to be sent in January. If financial assistance and housing are a consideration, students should submit their applications no later than March 1 for September enrollment and December 1 for January enrollment.

Students who are accepted and who choose to enroll at the University are required to submit a nonrefundable acceptance deposit. The University observes a May 1 deposit deadline for all students.
accepted prior to April 15. Deposits received after May 1 will be accepted on a space-available basis.

Correspondence should be directed to:
Office of Undergraduate Admissions
Sacred Heart University
5151 Park Avenue
Fairfield, CT 06825-1000
Phone: 203-371-7880
Fax: 203-365-7607
E-mail: enroll@sacredheart.edu

Admissions Process for Part-Time Study
All part-time day and evening undergraduate students, AHEAD, weekend university and summer-school students are admitted through University College.

Students seeking admission to University College do not need prior college experience to begin their studies, and standardized tests are not required. If an individual is a first-time student, he or she must submit a high school diploma or its equivalent and meet with an academic advisor to discuss educational goals. Upon submission of the application requirements, a prospective student may be issued a "provisional acceptance" and may register for classes. After completion of 12 credits, the student must attain a grade point average (GPA) of at least 2.0 to receive a formal acceptance. If a student has attended another institution and completed 12 or more credits with a grade of C or better, the high school diploma is not required, but an official transcript must be received and evaluated before acceptance can be complete. After receiving acceptance into a degree program, the student will review the individualized plan of study with an advisor, and use this worksheet when registering for future classes.

Academic advisors, recognizing that adult students returning to school after a long interval may not have an exceptional academic record, will also take into consideration an applicant's life/work experience when discussing degree programs and options.

New students should follow these easy steps to become students at Sacred Heart University:

1. Complete an application and make an appointment to meet with an advisor. Whenever possible, transfer students should fax a copy of their college transcript(s) to University College at 203-365-7500 prior to their appointment. The advisor will then do a preliminary evaluation of any transfer credits, and during the initial meeting will answer any questions, discuss program requirements and help the students register for a class.

2. If transcripts have been reviewed, but an acceptance has not yet been issued, the students may register as in-process students. Forms are available at the University College office.

3. Connecticut law requires that students born after December 31, 1956, provide proof of measles immunization, as described in the course schedule booklet.

4. Registration begins when course schedules are published: in mid-April for the Fall semester, late November for the Spring semester and early March for the Summer term.

5. Although not required, it is recommended that students meet with an advisor periodically to ensure completion of the program in a timely manner.

Correspondence should be directed to:
University College
Sacred Heart University
5151 Park Avenue
Fairfield, CT 06825-1000
Phone: 203-371-7830
Fax: 203-365-7500
E-mail: uc@sacredheart.edu
The AHEAD Program
AHEAD (Adults in Higher Education working for Accelerated Degrees) is an accelerated degree program in Business Administration and Finance designed for the busy adult. The program offers a short-term schedule of evening classes with the possibility of degree completion in half the time of a traditional part-time program. Classes are offered at several locations. Application and admission are through University College as outlined above.

Weekend University
Sacred Heart University offers undergraduate courses in the associate and/or baccalaureate core curriculum every second weekend. An accelerated option is also available for students interested in attending every weekend. Students can complete six credits per term. Courses from the weekend schedule may be combined with courses from the AHEAD program. Full-time students can take weekend courses as well.

Taste of College for High School Seniors and Senior Citizens
The Taste of College program is a special admissions category to encourage high school seniors and adults 62 years or older to take college courses. Selected course offerings vary each semester. High school seniors must be recommended by their high school counselor and should contact the Undergraduate Admissions Office at 203-371-7880 for information. Senior citizens should contact University College at 203-371-7830 for more information.

Transfer, Advanced Placement and College Equivalent Credit
Transfer Credit
Credit is awarded for courses that carry grades of C- or better and that parallel Sacred Heart University offerings. The University reserves the right to examine selected courses to determine whether or not their content and quality fit the University's purpose and goals. Sacred Heart University will normally accept a maximum of 66 credits from two-year colleges and 90 credits from four-year institutions.

The Advanced Placement Program
Secondary school students who receive scores of 3, 4 or 5 on the College Entrance Examination Board Advanced Placement Examination may be granted Advanced Placement and college credit in appropriate subjects toward the degree and the major/minor. A grade of P is assigned for these credits. When Advanced Placement credit is awarded for work that is the equivalent of specific Sacred Heart University courses (e.g., Biology 111, English 101), students may not take those courses for credit.

All requests and applications for Advanced Placement should be made to the Office of the Registrar before classes begin in the year of entrance to the University. Receipt by the University Registrar of an Advanced Placement score report, directly from the College Board, will be considered an application for Advanced Placement and college credit.

College Credit by Examination—National Testing Programs EXCELSIOR, CLEP and DANTES
These are national programs awarding college credit by examination.

College credit is awarded when a student successfully passes an exam with a score of at least 50.

Through University College, Sacred Heart University is an official CLEP and DANTES test center and offers a series of exams for the student seeking a college degree. Credit is awarded only in areas where the student does not have prior credit applied toward a degree.
A schedule of testing dates, applications and registration guides are available at University College.

A full list of subject exams is included in the registration guide. Completed forms for CLEP and DANTES examinations should be returned to University College at least four weeks before the exam date is scheduled. The University awards credit for certain EXCELSIOR exams, but does not administer these exams.

Students may not take exams in a graduating semester. Speech and composition waivers, and term paper/essay requirements for the EN 011/012 CLEP exam must be submitted within the first five weeks of the semester. Contact the Director of Freshman English at 203-371-7810 for further information about these policies.

Sacred Heart University offers the nursing student the opportunity to take EXCELSIOR exams in Anatomy and Physiology I and II, and the National League for Nursing (NLN) challenge exam in Microbiology. For additional information concerning these exams, contact the Nursing Programs Office at 203-371-7715.

International Baccalaureate Program

Sacred Heart University considers the International Baccalaureate outstanding for its integrated curriculum and rigor. A student awarded the International Baccalaureate Diploma will be granted the option of sophomore standing and will have his or her individual diploma examinations recorded as transfer credit. If a student does not attain the International Baccalaureate Diploma but presents individual Higher Level examinations with scores of 4, 5, 6 or 7, he or she will receive 6–8 credits per examination (depending on the Sacred Heart University course equivalency), up to a total of 30 credits. These individual credits may be applied to general education/core, a major or an elective. No credit will be awarded for Subsidiary examinations. A student who has been granted credit in a particular area may not enroll for courses that will repeat his or her work in the subject. Students should have their International Baccalaureate Diploma or International Higher Level examination scores sent to the Office of the Registrar.

Other International Examinations

Students who wish to receive credit for international school leaving examinations other than the International Baccalaureate should have copies of their results sent to the Office of the Registrar who, in consultation with the respective academic departments, will determine the amount of credit to be given and the distribution of such credit. A student who has been granted credit in a particular area may not enroll for courses that will repeat his or her work in the subject.

For the most commonly presented international/foreign examinations, the guideline of acceptance of college credit is:

- French Baccalaureate—scores of 12–20
- German Abitur—scores of 7–15 (“befriedigend” or better)
- Swiss Matura—scores of 5 or 6
- United Kingdom “A” Level General Certificate Examinations—grade of A, B or C

Other international/foreign examinations presented are evaluated for credit by the University Registrar, in consultation with appropriate departments and appropriate international evaluation credential agencies, such as the World Education Services, Inc., located in New York City.

Assessment of Prior Learning Program

Recognizing that higher education also occurs outside the classroom, the University awards academic credit to students for what they have learned through life and/or work experience. This experience can be the result of self-education, professional certification, in-service training programs, volunteer work or management work.
In order to apply for credit, the student must be enrolled at the University in the semester in which the portfolio is submitted. Credit is awarded only for experience that parallels the University's courses and programs. This credit can be used in the core curriculum, in the major or as free electives, as long as the student completes at least 30 credit hours in the classroom, with one-half of the major taken in the classroom at Sacred Heart University. No more than 60 credits can be awarded for prior learning and CLEP, DANTES and EXCELSIOR combined. This credit is not awarded in areas where National Testing Programs are applicable.

University College will assist the student in assembling the portfolio. The portfolio should include a brief work resume, a detailed description of the individual's experience tailored to particular courses offered by the University and supporting documentation. Supporting documentation may include certificates, awards, letters of recommendation, job descriptions and samples of work. As the portfolio is being composed, the student should be reflecting on the learning that has been derived from his or her experience.

The portfolio and application form are submitted to University College, along with the application fee. The portfolio is referred to the appropriate faculty for a determination of any credit award. Some academic departments review the portfolio as a committee, while other departments prefer to test the student in the particular subject matter.

After the faculty committee has evaluated the portfolio, it is then reviewed by the department chairperson. A letter of award is prepared.

For additional information on the Assessment of Prior Learning program, contact University College at 203-371-7830.
Expenses and Student Financial Assistance
EXPENSES AND STUDENT FINANCIAL ASSISTANCE

Tuition and Fees
Academic Year 2002–03

Full-Time Student
(12–18 credits)* $9,630/semester
*Includes nonrefundable $70 registration fee.

Overload (19 or more credits) $530/credit
Health Insurance Fee** $363/year
  2nd semester students $216
  (entering January)

**If a student is already covered by health insurance, this fee may be waived by completing the Waiver Form. Copies of this form are available in the Health Services Office. Mandatory for International Students.

Room and Board

Room $3,190/semester
Platinum Plan $1,435/semester
Gold Plan $1,175/semester
Silver Plan $1,145/semester
Bronze Plan $990/semester

Part-Time Student
Tuition (1–11 credits) $345/credit
Registration Fee (nonrefundable) $70/semester

AHEAD Student
Tuition $345/credit
Registration Fee (nonrefundable) $40/term
AHEAD Deferred Payment Plan Fee $35/semester

See the Eligibility for AHEAD Program section in this chapter for specific registration conditions.

Other Fees
Add/Drop $5/change
Audit $450/course
Auditors Registration Fee (nonrefundable) $70 per semester/term
Deferred Payment Plan Fee $55/semester
Lab (per course) $70–$130/course
Late Registration Fee $70
Legal Research Fee $50/course
Private Music Lessons
  MU 131 (1 credit) $205
  MU 132 (2 credits) $410
Rejected Credit Card Fee $40
Returned Check Fee $40
Student Teaching Fee* $130 per semester
Study Abroad Fee $1,000/semester
Taste of College $312
Senior Citizen Program $155
Transcript*** $5/transcript
Transfer Orientation Fee $35

*** Transcripts and/or diplomas are not released if any balance is due the University.

Eligibility for AHEAD Program
AHEAD courses are open to all part-time students, regardless of major, with written permission from University College. AHEAD students accepted in the program may register for semester-long courses as well as AHEAD courses with the approval of University College. AHEAD students will be limited to one semester-long course (excluding weekend University courses and Valley and Stamford semester-long courses) to remain eligible for AHEAD tuition rates and fees.

AHEAD students with two semester-long courses (excluding weekend University courses and Valley, Stamford and Danbury semester-long courses) who register for 12 or more credits during the semester will be considered full-time and charged full-time tuition and fees.
The adding/dropping of courses for a given term can affect a student's AHEAD classification status and the tuition rate charged. AHEAD students should check with an AHEAD counselor before adjusting their schedules.

Family Discount Plan
The Family Discount Plan offers a reduction in undergraduate tuition costs when two or more individuals from the same family are enrolled at the University. Each student must take at least 12 undergraduate credits during the period of the award.

Family discount forms can be obtained from the Student Accounts Office prior to registration. Complete conditions are available from Student Accounts.

Health Insurance
All full-time undergraduate and graduate students must show proof of health insurance coverage. If students do not have coverage, they must enroll in the University's insurance program. Students already covered by health insurance may waive the University plan by completing a Health Insurance Waiver form. Waivers must be signed and returned to the Health Services Office. All international students must enroll in the University insurance program. For further information, contact Health Services at 203-371-7838.

Payment of Tuition and Fees
Students can pay tuition and other fees by cash, credit card (MasterCard, VISA and American Express), check or money order. All checks should be made payable to Sacred Heart University. Credit card payments cannot be accepted over the phone; they must be authorized in writing. Students on the monthly payment plan must provide authorization in writing by completing the payment option form (the bottom portion of the registration form).

Financial aid students must choose a payment option for their remaining balance. When a student receives a billing statement, it is the student's responsibility to make sure that financial aid is applied to their account. If estimated financial aid is changed or rejected, all balances become the student's responsibility. Questions regarding estimated financial aid should be discussed with the Office of Student Financial Assistance. The Office of Student Financial Assistance can be reached at 203-371-7980.

Students will not be allowed to register with a prior tuition balance. A diploma or a transcript will not be issued until all financial obligations to the University have been met in full. The University reserves the right to require any past balance to be paid with a certified check.

Monthly Payment Plan Options
The University offers a five-month payment plan for students with three or more credits. A $55 fee is charged for this option.

Payments are due on or before the first day of each month. Exact dates for each plan are published in the semi-annual undergraduate course schedule.

For further information about the monthly payment plan, contact the University's Student Accounts Office 203-371-7925.

Finance charge. If a payment is received later than the due date, a financial charge will be assessed at the rate of 1% per month, annual rate of 12%.

Tuition Refunds
Withdrawals from courses must be made in person through the Office of the Registrar. Full-time students withdrawing from the University must see the Dean of Freshmen or the Director of Advisement for an exit interview.
Part-time students withdrawing from the University or from individual classes must obtain a course withdrawal form from the Registrar's Office. Official withdrawal is necessary to ensure the proper entry of grades on the transcript and the determination of any refund, if applicable.

Withdrawal from the University within four weeks from the beginning of a semester entitles the candidate to a proportional refund of tuition. Refunds are granted only if the candidate complies with the withdrawal procedures as prescribed by the Registrar's office.

Tuition refunds based on full tuition charges are:
- 100% - Before start of course
- 80% - Before start of second week of class
- 60% - Before start of third week of class
- 40% - Before start of fourth week of class
- 20% - Before start of fifth week of class
- 0% - After start of fifth week of class

Tuition refund for AHEAD or Weekend University charges are:
- Deduct 20% per meeting for an AHEAD course meeting twice a week.
- Deduct 40% per meeting for an AHEAD course meeting once a week.
- Deduct 40% per meeting for a weekend University course.

All registration fees are nonrefundable, unless the course is canceled.

All refunds take four to six weeks to process. After withdrawing, students must contact Student Accounts to receive a refund.

Refund Allocation Policy for Federal Financial Aid Funds

If you withdraw before completing 60% of the semester (approximately 8–9 weeks into the semester), your financial aid award will be recalculated, according to the percentage of the semester you have completed. The formula for calculating this percentage is:

\[
\frac{(D - (Official breaks of five days or longer))}{Total number of class days in the semester} \times 100\%
\]

Refunds to Federal Title IV programs are made in this order:
1. Federal Unsubsidized Stafford Loan
2. Federal Subsidized Stafford Loan
3. Federal PLUS Loan
4. Federal Perkins Loan
5. Federal Pell Grant
6. Federal Supplemental Educational Opportunity Grant
7. Other Title IV aid programs
8. Other federal sources of aid
9. Other state, private or institutional aid
10. The student

Refund examples are available in the Student Financial Assistance Office. It is important to discuss withdrawal and refund as it pertains to the individual student, and its implications for federal student loan repayment and future eligibility for financial assistance.

Student Financial Assistance

The University is committed to helping students plan financially for their college education. The
Office of Student Financial Assistance advises students in their effort to locate appropriate financial resources.

Financial assistance is generated from a variety of sources including federal, state, institutional and other private or local resources. These sources provide grants, loans, scholarships and part-time employment to assist students with the cost of their education.

Students or families who need assistance in formulating a financial plan for college should contact the Office of Student Financial Assistance at 203-371-7980. Confidential appointments can be arranged to discuss personal financial situations and all possible avenues of financial assistance.

Eligibility

Undergraduate students are eligible for financial assistance provided they are citizens or permanent residents of the United States and are enrolled in the University on at least a half-time basis.

In addition, students must maintain satisfactory academic progress and be in good standing in their course of study. Students in default on any loan made from a student loan fund at any university or in default on a loan made, insured or guaranteed under the Federal Stafford Loan or Federal PLUS Program are not eligible for assistance.

Application Procedures

To be considered for financial assistance at Sacred Heart University, each year, the student must meet the requirements outlined below:

1. All students must complete a Free Application for Federal Student Aid (FAFSA). Sacred Heart University's Title IV Code is 001403.

   New full-time undergraduate student financial assistance applicants must complete the PROFILE Application with the College Scholarship Service (CSS) in addition to the FAFSA. In order to have an official report sent directly to Sacred Heart use the University's CSS code number: 3780.

   Priority deadline to apply for financial assistance is:

   • New full-time undergraduate students: February 15
   • Returning undergraduate and graduate students: April 1

2. The following forms must be sent directly to the University's Office of Student Financial Assistance each application year:

   • a completed, signed copy of the parent's Federal Income Tax Return (1040 or 1040A, etc., all schedules and W-2s);
   • a completed, signed copy of the student's Federal Income Tax Return (1040 or 1040A, etc., all schedules and W-2s); and
   • a completed and signed Confidential Information Form available from the Office of Student Financial Assistance.

3. Additional verification and documentation may be required according to individual circumstances. Forms are issued by the Office of Student Financial Assistance. The forms should be completed and returned promptly. Failure to do so may delay the application or eliminate the student's eligibility for assistance.

Notification and Acceptance of Financial Aid Awards

All students will be notified in writing of the status of their financial assistance applications and the amount of their awards. If satisfied with the award package, the student must sign the Award Notice and return it to the Office of Student Financial Assistance within two weeks of notification. Students have the right to request a review of their awarded assistance.

Federal Programs

Several federally funded programs are available to qualified students who are U.S. citizens.
Federal Pell Grants
Pell Grants are funded by the federal government and are designed to provide financial assistance to undergraduate students who exhibit financial need pursuing their first undergraduate degree. Pell awards range from approximately $400 to $4,000 a year.

Federal Supplemental Educational Opportunity Grant (SEOG)
SEOG awards are provided by federal and institutional funds and are restricted to undergraduate students who demonstrate exceptional financial need. Grants range in amounts from $100 to $4,000 a year.

Federal College Work-Study (CWS)
Work-Study is funded by federal and institutional sources. Students who qualify for this program may be assigned a part-time job on campus. Earnings assist in meeting the cost of attending college. Students are paid weekly at a rate established in accordance with federal and University standards.

Federal Perkins Loan
The Perkins Loan is a low-interest loan that students may borrow to assist in meeting the cost of a college education. No interest accrues while the student is enrolled on at least a half-time basis. Payment of the loan begins nine months after graduation, or after a change in enrollment to less than half-time or withdrawal from the University.

Federal Stafford Loan (Subsidized and Unsubsidized)
The Subsidized Stafford Loan is available to students who demonstrate financial need. The government pays the interest on the loan while the student is in school. The Unsubsidized Stafford Loan is available to students regardless of financial need (i.e., regardless of family income). Students are responsible for interest payments on the loan while attending college, or they may choose to have the interest capitalized.

Students start repayment of the loan(s) (plus interest) after they graduate, withdraw or change to less than half-time status. Repayment of principal and interest is spread over a 10-year period. Undergraduate freshmen may borrow up to $2,625 per year; sophomores, up to $3,500 per year; and juniors and seniors, up to $5,500 per year. Graduate students may borrow up to $8,500 per year.

Additional Unsubsidized Stafford Loans may be available for undergraduates as follows: $4,000 for freshmen and sophomores, and $5,000 for juniors and seniors. Graduate students may borrow an additional $10,000 per year. These amounts are available to independent students or dependent students whose parents have been determined ineligible for PLUS Loans.

Federal Parent Loan for Undergraduate Students (PLUS)
PLUS is a loan for parents with good credit histories who have dependent students in school. The yearly loan limit is the cost of education minus financial assistance. Parents begin making payments 30 to 60 days after they receive the loan and must make payments of at least $50 per month. Parents also may take up to 10 years to pay back the loan.

State Programs
Financial assistance programs are available to qualified students from the state of Connecticut, including the Connecticut Independent College Student Grant. Many other states also have scholarship programs for residents of their state. For
more information, contact your state’s Board of Higher Education.

**Capitol Scholarship Program (CSP)**

Connecticut residents who are undergraduate students can apply to the Connecticut Board of Higher Education for consideration. Eligibility is based on SAT scores of at least 1,200, or rank in the top 20 percent of their high school class. Financial need is also a criterion. Applications are available at high schools and must be submitted by February 15. Grant amounts are up to $2,000 for private colleges and universities.

**Connecticut Independent College Student Grant (CICSG)**

The Connecticut Independent College Student Grant is a need-based grant program available to Connecticut residents enrolled in an undergraduate program at a private college or university in Connecticut.

**Connecticut Community Service Program**

Undergraduates who are Connecticut residents with financial need work in community service projects in affiliation with the CICSG program noted above.

**University Financial Assistance Programs**

Several scholarships and programs are available from Sacred Heart University to qualified students.

**University Scholars Program**

Entering first-year, full-time undergraduates who completed high school as valedictorian or salutatorian in their high school class; achieved scores of 1,200 SAT or 27 ACT; and earned a high school GPA of 3.4 qualify for the University Scholars Program. Annual renewal of the scholarship requires a 3.4 GPA. University Scholars recipients are given $10,000 per academic year. The overall value of the scholarship for four years would then be $40,000.

**Trustee Scholars Program**

Entering first-year, full-time undergraduates are eligible for the Trustee Scholars Program. Selection to the program is based on rank in high school class, college preparatory program and high school GPA and SAT scores. Annual renewal of the scholarship requires a 3.2 GPA. Trustee Scholars recipients are awarded $3,000 to $7,000 per academic year. The overall value of the scholarship for four years would then be $12,000 to $28,000.

**Curtis Community Achievement Award**

Entering first-year, full-time undergraduates who are Connecticut residents and commute to Sacred Heart University are eligible for the Curtis Community Achievement Award. Recipients must have demonstrated commitment to the community, leadership qualities and proven academic ability. Candidates must submit two letters of recommendation. Annual renewal of the award requires a 2.7 GPA and continuing commitment to the community. Awardees receive $1,000 to $3,000 per academic year.

**Connecticut Community College Scholarship**

Entering full-time transfer students from a community college in the state of Connecticut are eligible. Students must have completed 30 credits at a community college in Connecticut and must transfer with a 3.0 GPA into the University to qualify. Annual renewal of the scholarship requires a 3.2 GPA. Recipients are given $1,000 to $4,000 per academic year.
Phi Theta Kappa Scholarship Program
Entering full-time transfer students who are elected members of the Phi Theta Kappa International Honor Society and who have graduated or will graduate from an accredited two-year institution are eligible for this scholarship. A letter of recommendation is required from the student's Phi Theta Kappa advisor. Students must have a 3.4 GPA to receive the scholarship. Annual renewal of the scholarship requires a 3.4 GPA. Recipients are given $4,500 for one full academic year.

Transfer Achievement Award Program
Entering full-time transfer students from another post-secondary institution are eligible for this program. Students must have completed 30 credits at an accredited institution and must transfer with a 3.2 GPA into the University to qualify. Annual renewal of scholarship requires a 3.2 GPA. Recipients are given $1,500 to $3,500 per academic year.

Student Activity Recognition Awards
Full-time undergraduate awards are given to students based on leadership and participation in University programs. Financial need is often a requirement. Awards are given in the areas of athletics, band, student government, Christian leadership, Classroom Learning Assistant (CLA), Resident Assistant (RA) and others. Award ranges vary.

Sacred Heart University Grant-in-Aid
Grant-in-aid is available to undergraduates with financial need. Award ranges vary.

Endowed Scholarships
Endowed scholarships established by private organizations, corporations and individuals are offered in varying amounts to academically worthy students. At the time of publication of this catalog, the scholarships described therein were available. Awards are made at the discretion of the University.

Julius Andrasi Memorial Scholarship
Preference is given to students interested in the theatrical field or related fields of writing and media studies. The award was established in honor of Julius Andrasi, a deceased alumnus of the class of 1969.

Dorothy I. Anger Scholarship
Dorothy Anger, deceased director of alumni relations and student activities, founded the Gold Key Club, an organization whose members represent the University at its events. This annual award is given to outstanding Gold Key members.

Michael Arnold Memorial Scholarship
Established in 1994 in memory of Michael Arnold, director of the Stamford Campus at Sacred Heart University, this award assists Bridgeport students who are pursuing pre-med or nursing studies.

John T. Balamaci Memorial Scholarship
Established in 1972 in honor of John T. Balamaci, an English major who died in his third year at Sacred Heart University, this award is given to a full-time student with a minimum 3.0 GPA and upon recommendation by an instructor.

Dr. Daniel T. Banks Scholarship
This award is given to a deserving student majoring in science. The recipient must have a minimum GPA of 3.0. Preference is given to students interested in a career in medicine. Dr. Banks was a prominent Bridgeport physician.

Arthur J. Brissette Memorial Scholarship
This scholarship, in memory of a deceased mem-
Evelyn Conley Memorial Scholarship
This award, in memory of Evelyn Conley, wife of former University President William Conley, is given to outstanding full- or part-time students majoring in paralegal studies, or part-time adult students continuing their studies. This scholarship was established by Mrs. Robert Douglas, a graduate of the paralegal program.

Mary M. Donahue Scholarship
This award, established by Donald J. Donahue in memory of his wife, supports deserving minority students.

Charles T. Eby Memorial Scholarship
This award, given to a full-time history major entering senior year, requires high academic standing. The scholarship is in memory of Charles T. Eby, an associate professor of history at the time of his death.

Douglas Edwards Memorial Scholarship
Established in memory of renowned newscaster Douglas Edwards, this scholarship is awarded to students majoring in media studies or broadcast journalism.

Jonathan T. Evanish Scholarship
This scholarship provides support for a deserving nursing student.

Julia Sugrue Gorman Memorial Scholarship
Established in 2002 by the generosity of alumnae Maureen Gorman ’68 and Kathleen Gorman Crapanzano ’68 in honor of their mother, this scholarship assists students with a solid academic record who demonstrate community service and/or student-life involvement.
Alexander Hawley Memorial Scholarship
This award is made in memory of Alexander Hawley, a long-time Trustee and honorary degree recipient at Sacred Heart University.

James Joy Scholarship
Established through the estate of James Joy, this award is made to a deserving student with financial need.

James River Corporation Scholarship
Established by the James River Corporation of Norwalk, this award assists minority students.

John Katona Memorial Scholarship
This scholarship was established in memory of John "Chubby" Katona, a former employee of the University.

Keating Family Scholarship
Established by the estate of Loretta M. Keating of Bridgeport, this scholarship is awarded to deserving students with financial need.

John J. and Stella M. Kraieski Memorial Scholarship
Awarded to an academically talented full-time student, the scholarship was established by an estate gift of John Kraieski.

The Kreitler Foundation Scholarship
Founded to honor the Kreitler Foundation, the recipients of this award are selected from entering freshmen graduating from Central, Bassick or Harding High Schools in the city of Bridgeport and who will matriculate. They must be full-time students, demonstrate academic ability and be experiencing financial hardship.

Laborer's Local 665 Scholarship
Founded by Laborer's Local 665 in Bridgeport, Connecticut, this scholarship is given to full-time undergraduate students at Sacred Heart University who are members of Local 665 and/or the sons or daughters of members.

Dorothy P. Lansdale Scholarship
This award is given to a nursing student who demonstrates outstanding academic and professional abilities.

Mechanics & Farmers Scholarship
Established in 1971, this scholarship is awarded to an academically talented full-time student.

Lucy Medaglia Memorial Scholarship
This scholarship, established by University President Anthony J. Cernera in memory of his grandmother, supports students preparing to be teachers.

Thomas P. Melady Leadership Award
Established in honor of Thomas P. Melady, fifth president of Sacred Heart University, this award is given to full-time students through the Presidential Internship Program. Recipients must demonstrate leadership, academic potential and community involvement.

Harold and Ann Miller Scholarship
Established in 1988 by Harold and Ann Miller, this award is given to adult undergraduate, part-time students who have completed at least two semesters at the University and have demonstrated financial need.

Near and Far Aid Association Scholarship
Established by the Near and Far Aid Association, this
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scholarship supports a full-time female student with a cumulative average of 3.0, instructor's recommendation and demonstrated financial need.

**Sandra Lynn Nobili Memorial Scholarship**

This award is given to a Catholic student entering senior year and planning a career in elementary education. Selected by members of the Education Department, the recipient must have a cumulative average of 3.0 or better.

**William P. O'Boy Family Scholarship**

This scholarship is given to a deserving student with financial need. Preference is given to students from the Danbury-Bethel area.

**Dr. Margaret Palliser Endowment for Physical Therapy**

This endowment was established in 2001 by Mrs. Karin Douglas '84 to fund Physical Therapy Scholarships and Special Projects. This fund has been set up to honor Dr. Margaret Palliser, University Assistant Vice President for Mission and Planning.

**The Michael J. Passariello Scholarship**

Recipients of this scholarship, given by Mrs. Ann Passariello in memory of her son Michael, a member of Sacred Heart University's alumni, are selected through demonstrated past performance that they are capable of succeeding at the University. Preference is given to qualified parishioners of Holy Infant Church in Orange, Connecticut, or residents of the town of Orange.

**Robert M. Paul Scholarship**

Recipients of this scholarship, given by Mr. and Mrs. William H. Paul of Trumbull in memory of their son, Robert, are selected on scholastic achievement and demonstrated financial need. Candidates must be full-time undergraduate students, Diocese of Bridgeport Catholic High School graduates and/or experiencing hardship.

**The Elizabeth M. Pfriem Scholarship**

Mrs. Elizabeth M. Pfriem of Southport has established this scholarship to benefit qualified students from the inner city of Bridgeport, Connecticut.

**Bette Pinder Memorial Scholarship**

This award, in memory of former staff member Bette Pinder, is given to an incoming freshman from the greater Bridgeport area who demonstrates financial need.

**Charles Plohn Art Scholarship**

Established in memory of Charles Plohn, this award is given to an art major above the freshman level who has completed a minimum of 12 credit hours of art studio courses and has a GPA of 3.0 or better.

**Polish Studies Scholarship Awards**

These awards are made to students who have studied Polish for at least one semester and are continuing their studies in this area. Recipients must have a grade of B or better.

**William V. Roberti Scholarship**

Established by the Tom James Company in honor of William V. Roberti, a University Trustee, this scholarship is given to children and grandchildren of employees of the Tom James Company and its subsidiaries and the Southwestern Company.

**Jeannette Rohn Scholarship**

Established in 1988 by Jeannette Rohn, this award is given to an outstanding student majoring in finance with great financial need.

**John Rycenga Scholarship**

Named in memory of John Rycenga, the University's first chairman of the English
Department, this award is given to an English major entering their senior year. The recipient must demonstrate academic excellence with a GPA of 3.4 or better, and an exemplary character.

Leonard A. Schine Memorial Scholarship
Established in 1982 in memory of Leonard A. Schine, a University Trustee, this annual award is given to a full-time senior with superior grades and in need of financial assistance.

Robert Sendar Scholarship
This scholarship was established by the family of Robert M. Sendar in his memory. Robert was a student at Sacred Heart University majoring in chemistry. The recipient, chosen by a team of three Chemistry Department faculty members, must be a chemistry major at the second-year level or higher who has demonstrated academic achievement and financial need.

SNET Scholarship
Awarded to deserving students.

Carmen Tortora Scholarship
Awarded to a deserving nursing student.

George Joseph Voynick Scholarship
This scholarship, established by Irene M. Voynick and her family in memory of her father, is awarded to a deserving full-time student, majoring in the basic sciences and maintaining a B average or better.
UNIVERSITY LIFE
A complete college education extends beyond the walls of the classroom and outside the pages of the textbook. Sacred Heart University's Student Life, Intercollegiate Athletics and Career Development departments are committed to the holistic growth of students through both curricular and extracurricular programming. The University's goal is to provide the support services and life skills that will help students succeed in the classroom as well as in their pursuits after graduation.

Bookstore
The bookstore is located on the first floor of the Academic Center, in the Humanities Center wing. Operated by Follett College Stores, it offers textbooks, supplies, clothing with the University's name and logo and related items. Bookstore purchases can be made online. Visit the bookstore's web site at www.sacredheart.edu/campuslife/bookstore.

Campus Ministry
The Office of Campus Ministry provides opportunities for persons of all religious traditions to share in the life of the faith-filled University community. Campus Ministry serves students, faculty, staff and the local community through daily liturgies, pastoral counseling, and special projects, events and programs.

Campus Ministry responds to student needs for worship, integration, social interaction, meaningful discussion of life issues, responsible social action for justice, and exploration of moral, religious and relational issues.

The Eucharist is celebrated on Sundays and weekdays during the academic year. In addition, University-wide liturgical celebrations mark special days and seasons. Other interfaith worship and prayer opportunities are provided regularly.

Office of Career Development
The Office of Career Development offers services for students from Freshman year through graduation. All new students will meet Career Development staff in Freshman Seminar or Transfer Seminar. Career Development programs and services include:

- Major in Success program for students who are undecided or unsure about which major or career to choose;
- PinPoint career guidance program;
- self-assessment including the Strong Interest Inventory, Myers-Briggs Personality Type Indicator (MBTI) and the Self-Directed Search;
- assistance finding paid and unpaid internships for which students may be able to earn academic credit;
- one-on-one career counseling for any career-related issues students are facing;
- help finding part-time and summer employment;
- resume-writing workshops;
- individual assistance, interviewing skills workshops and on an individual basis;
- on-campus interviewing and job fairs;
- online resume management system and job bank exclusively for Sacred Heart students; and
- guidance in conducting a senior-year job search for a full-time position after graduation; and planning for and researching graduate school options.

The Career Development Office is located on the second floor of Curtis Hall and can be reached by phone at 203-371-7975 or via email at careerdev@sacredheart.edu.
Commuter Students
The University is committed to providing commuter students a comprehensive college experience—keeping in mind the special needs and concerns of commuter students. Commuter students are encouraged to participate in Commuter Student Roundtable discussions and become part of Commuter Assistants, a peer-matching program.

Commuter students are also urged to join the Community Council, a student-run organization dedicated to providing programs and services for commuters.

The Commuter Life Office is part of the University’s Student Life Department and can be reached at 203-371-7956.

Counseling Center
The Counseling Center provides support services of a holistic student development nature, and attends to members of the University community who may be experiencing some difficulty in adjusting to emotional wellness issues. The University provides professional counselors who are available weekdays for individual, personal counseling sessions.

Many personal development workshops are offered by the Counseling Center, as well as group topical counseling sessions. For longer-term therapy, the staff makes referrals to local professionals at an individual cost to the student.

For additional information about the Counseling Center, call 203-371-7955.

Dining Services
The University has contracted with FLIK, a professional food service corporation, to provide meals for students. The Dining Service Director works closely with students and staff to ensure the dining needs of the University community are met.

The University’s meal plan is a declining balance program. Prepaid plans are available to resident commuter, faculty, or staff members. Points in this program can be used for many purchases, ranging from entrees to snacks and ice cream to grocery items to convenience items such as toiletries and necessities.

All first-year residents are required to be on either a “gold” or “silver” meal plan. Information concerning the meal plans is available through the Dean of Students Office.

In addition, students may use their dining dollars in the FLIK-operated Marketplace, a deli-style facility that is open late evenings and on weekends. For more information call FLIK at 203-373-1947.

Health Insurance
All full-time students must show proof of health insurance coverage. Undergraduate students who attend at least half-time (six credits per term) are eligible to enroll in the University’s student health insurance program. All international students are required to participate in the insurance program. Information regarding specific coverage under student health insurance should be directed to the Health Services Office at 203-371-7838.

Health Services
Health Services offers daily first-response treatment for minor health-related issues. A physician is on campus for appointments twice a week at a direct cost to students or their insurance carrier.

Staffed by registered nurses and open seven days per week, Health Services also handles state immunization requirements and University insurance requirements, and coordinates health promotion workshops. Health Services can also make referrals to local health care facilities, fill many basic prescriptions on campus, and arrange with a local pharmacy to deliver to campus. For additional information about Health Services, call 203-371-7838.
Measles Immunization Law
Connecticut law requires students born after December 31, 1956, to provide proof of two doses of measles vaccine administered at least one month apart.

The first dose of vaccine must have been given after the student’s first birthday and after January 1, 1969; the second dose must have been given after January 1, 1980. The student is also required to provide proof of one dose of rubella vaccine administered after the student’s first birthday. Laboratory evidence (blood test) is acceptable in lieu of administration of vaccine. All students must be in compliance with this state law before registering.

Meningococcal Vaccine Law
Beginning with the 2002-2003 academic year, the State of Connecticut requires that all students who reside in on-campus halls must be vaccinated against meningitis. Proof of this vaccination must be presented to the appropriate University officials before a student can obtain entry to their resident hall. This new guideline for Connecticut colleges and universities is provided in Public Act 01-93.

For additional information, call the University’s Health Services (203-371-7838), or stop by the lower level of the Park Avenue House.

Intercollegiate Athletics
The University has made a strong and vital commitment to its regionally recognized and nationally developing athletics programs. The Department of Athletics has undergone an almost unparalleled expansion over the past 10 years, growing from 10 varsity athletics teams to its current roster of 32 varsity and 3 junior varsity teams. Seventeen sports for women and 15 sports for men are now offered by the University for intercollegiate competition.

The 1999–2000 seasons marked the inaugural year of competition at the NCAA Division I level of competition for the Pioneers after 36 years of success at the Division II level. The majority of the athletic programs compete in the Northeast Conference, with notable exceptions of the men’s ice hockey team, which competes in the Metro Atlantic Athletic Conference, and the men’s lacrosse and wrestling teams, which compete in the Colonial Athletic Association. The women’s ice hockey team currently competes in the Division III Eastern Collegiate Athletic Conference in preparation for its move to a new Division I league for the 2003–04 season.

Six club sports teams and numerous intramural opportunities, including an ever-growing outing club, abound for students not involved with the varsity or junior varsity teams on campus. The University also offers all students use of the modern and fully equipped William H. Pitt Health and Recreation Center, which include four multipurpose basketball courts, a modern health and fitness area and aerobics room, among many other amenities. For more details on the Pitt Center, see the section on University Facilities.

Men’s Varsity Athletic Programs
* Baseball
  Basketball
  Bowling
  Cross Country
  Fencing
  Football
  Golf
  *Ice Hockey
  Lacrosse
  Soccer
  Track and Field (Indoor and Outdoor)
  Tennis
  Volleyball
  Wrestling
Women’s Varsity Athletic Program
Basketball
Bowling
Crew
Cross Country
Equestrian
Fencing
Field Hockey
Golf
Ice Hockey
Lacrosse
*Soccer
Softball
Swimming
Track and Field (Indoor and Outdoor)
Tennis
Volleyball
*also junior varsity teams

International Students
The University provides academic and social support to its growing number of international students. The Office of International and Multicultural Affairs is a part of the University’s Student Life Department and can be reached at 203-365-7614.

All international students are encouraged to use the University services to seek assistance for their concerns and to become involved in campus activities. University services include the English as a Second Language (ESL) program, the International Club and an International student advisor.

International Student Visa Certification
An international student requesting an application for a student visa (F-1) must be accepted to the University in a full-time program of study. Since federal and/or state financial assistance is not available to international students, the student is also required to present certified evidence of sufficient funding to cover education and living expenses.

If, after attending the University, the student decides not to return, notification must be made in writing to the Office of International and Multicultural Affairs. If a student wishes to travel during the authorized time of study at the University, he or she must present a current I-20 form to the Office of International and Multicultural Affairs for certification prior to departure.

A student not following the regulations of the U.S. Department of Justice Immigration and Naturalization Service is considered out of status and may be subject to deportation from the United States.

Public Safety and Parking
The Department of Public Safety, located in the Academic Center, is committed to fostering an environment in which all those who live, study, work or visit within the University campus are able to do so in a safe and secure environment. The department is committed to providing professional, timely and efficient public safety services to all of its constituents on a 24-hour-a-day, seven-day-a-week basis.

Public Safety officers patrol the buildings and grounds of the University via vehicle, bicycle and foot. Services provided by the department include personal safety escorts, motor vehicle assistance (unlocks and jump starts) and emergency medical response and treatment, as well as maintaining a lost-and-found department. Public Safety also issues parking decals and enforces parking and traffic regulations, provides key control and locksmith services and investigates and documents incidents on campus. Public Safety is the emergency response department on campus, and acts as the liaison with the local police, fire and ambulance services.
All vehicles parked on the campus must display a University decal, which is available at the Department of Public Safety. Temporary parking passes are also available at the Information Booth, at the entrance to the campus, which is staffed Monday through Friday during the day.

Department of Public Safety Telephone Numbers

| Routine Business            | 203-371-7995 |
| EMERGENCIES ONLY           | 203-371-7911 |
| Fax                        | 203-365-4781 |
| Locksmith                  | 203-365-7645 |
| Snow Phone                 | 203-365-SNOW (7669) |
| TTY                        | 203-365-4714 |

Residential Life and Housing Services

The Office of Residential Life and Housing Services coordinates all University housing options for students. The office staff, hall directors and resident assistants work with students to make the halls a “home away from home” by creating a healthy, living/learning atmosphere. Students have direct input to their living environment through the Residence Hall Associations and the Hall Councils, which address concerns and organize activities for members of the hall community. A listing of off-campus apartments is also maintained in the Office of Student Life.

The University currently houses students in seven different areas: East Hall, South Hall, West Hall, Jefferson Hill, Park Ridges Apartments, Park Royal Condominiums and Avalon Gates. These varied areas offer distinct residential lifestyles, from traditional high-rise resident halls to on-campus apartments to off-campus apartments, including the Avalon Gates townhouses.

Student Activities

The Student Activities Office seeks to enhance the college experience outside the classroom by offering both cocurricular and extracurricular opportunities for students. In addition, the Student Activities Office teaches life skills to students through formal training sessions and leadership opportunities.

A vital component of the Department of Student Life, the office is responsible for scheduling, planning and overseeing all student events on campus. The Student Activities Office is a center for information on events, student groups, Student Government and student leadership. The Student Activities Office can be reached at 203-365-7675.

Student Clubs and Organizations

The University encourages students to become involved in student groups as a part of their college experience. Diverse interests are represented on campus by numerous clubs and organizations:

Academic Clubs

Accounting Club
American Chemical Society
Art Club
Athletic Training Club
Biology Club (AIBS)
Computer Science Club
Criminal Justice Club
Debate Society
Economics and Finance Club
Education Club
English Club
Honors Society
Lambda Alpha Phi (Paralegal Club)
Pre-Occupational Therapy Club
Pre-Physical Therapy Club
Psychology Club
SIFE (Student in Free Enterprise)
Student Nurses Association
Study Abroad Club

Academic Honor Societies

Alpha Sigma Lambda
Delta Epsilon Sigma
Delta Mu Delta
Lambda Epsilon Chi
Phi Alpha Theta
Phi Sigma Iota
Psi Chi
Sigma Theta Tau

Greek Life
—Fraternities
Alpha Sigma Psi
Lambda Sigma Phi
Omega Phi Kappa
Sigma Delta Chi

—Sororities
Beta Delta Phi
Delta Phi Kappa
Kappa Phi
Nu Epsilon Omega
Phi Omega Tau

Intramurals
Aerobics
Baseball
Basketball
Bowling
Flag Football
Golf
Martial Arts
Soccer
Softball
Volleyball

Media Organizations
Media Studies Club
Prologue Yearbook
Spectrum Newspaper
WHRT-FM Student Radio

Multicultural Organizations
Caribbean Club
International Club

Performing Arts
Chorale
Concert Band
Dance Team
Jazz Band
Marching Band
Pep Band
Pioneer Band Council
SHU Players

Recreational Groups
Ballroom Dance Club
Billiards Club
Environmental Club
Outing Club
Rugby—Men and Women
SHU Martial Arts
Ski and Snowboarding Club

Service Clubs/Organizations
Campus Ministry
Community Service
Habitat for Humanity
People Effectively Achieving Community Efforts (PEACE)
Student Ambassadors

Student Government
The Student Government is the parent organization to all student groups on campus. It is comprised of:

Class Officers
Commuter Council
Council of Clubs and Organizations
Executive Board
Finance Board
Greek Council
Inter-Residence Hall Council
SACRED HEART UNIVERSITY UNDERGRADUATE CATALOG

NRHH (National Residence Hall Honorary)
Student Events Team (SET)
Student Senate

Student Government’s primary purpose is to oversee student groups, sponsor events to meet the needs of the students and to address concerns of the student body.

**Student Union**

Another area in the Department of Student Life is the Student Union Office. Many of the nonacademic services provided by the University are facilitated by the Student Union, including:

- Class ring sales
- Game Room (Hawley Lounge)
- Room/facilities reservations
- Shuttle Service
- Student Handbook
- Student ID cards

The Student Union Office can be reached at 203-365-7663.

**University Chorus**

The University Chorus is a contemporary music group for all who enjoy singing. Vocal skills and musicianship are developed through weekly rehearsals and public performances of modern arrangements that feature the best of America’s entertainment music.

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Every student (full-time and part-time) is responsible for being aware of the policies and procedures of Sacred Heart University as outlined in the *Student Handbook*. All students will be held accountable for their actions and subsequent consequences with regard to these policies and may be subject to any judicial action as detailed in the *Student Handbook*. *Student Handbooks* may be obtained from the Dean of Students office in Hawley Lounge.

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University Facilities and Community Resources
UNIVERSITY FACILITIES AND COMMUNITY RESOURCES

University Facilities
Sacred Heart University currently has 13 buildings on its 56-acre campus in the northeast corner of Fairfield, Connecticut. The William H. Pitt Health and Recreation Center opened in September 1997, as did significant enhancements of the main academic facilities. Plans also call for expansion of the library and other improvements.

Academic Center
The Academic Center contains most classrooms and faculty, administrative and academic departmental offices. The Academic Center is divided into three buildings: Science Center, Humanities Center and Student Union.

The Science Center includes offices of the Dean of Arts and Sciences, Dean of Education and Health Professions, Registrar, Student Accounts, Dean of Freshmen and Academic Advising. Also included are the faculty offices for Art, Biology, Chemistry, Mathematics, Nursing, Occupational Therapy and Physical Therapy. The Science Center houses the science and health science laboratories.

The Humanities Center includes the Academic and Administrative Computing Center, Bookstore, Faculty Lounge and Language Laboratory. Also included are the faculty offices for Communication Studies, Computer Science, Criminal Justice, Education, English, Information Technology, Modern Foreign Language, Psychology, Sociology and Social Work.

The Student Union includes the faculty offices for Campus Ministry, Music, Public Safety, Student Affairs and Student Government, as well as a multipurpose activity center, housing, chapel, dining halls, Mahogany Room, Gallery of Contemporary Art, Hawley Lounge, mailroom/print shop and Center for the Performing Arts.

Administration Building
The Administration Building houses the Media Studies Center, Office of the President; Offices of the Vice President and Assistant Vice President for Academic Affairs; the Center for Christian Jewish Understanding; the offices of University College; faculty offices for Political Science, History, Media Studies, Philosophy and Religious Studies; the Department of Human Resources; and Payroll.

Curtis Hall
Curtis Hall, named after the University founder, the Most Reverend Walter W. Curtis, D.D., Bishop of the Diocese of Bridgeport, houses the offices of Undergraduate and Graduate Admissions, Student Financial Assistance and Career Development. The Community Room also is located in Curtis Hall.

Jandrisevits Learning Center (JLC)
The Jandrisevits Learning Center is located in the lower level of the Ryan-Matura Library. An Adaptive Technology Lab is available for students with visual, auditory, physical or learning disabilities. The JLC also provides specialized tutoring for students with learning disabilities (LDs) as well as for students who are linguistically diverse (ESL). Staffed by highly experienced faculty tutors and well-trained peer tutors, the JLC provides a warm, friendly learning environment where the needs of individual students are the primary concern. Appointments: Call 203-371-7820, or come to the JLC, located in the lower level of the Ryan-Matura Library.

Oakview Drive
Located off campus in neighboring Trumbull, Connecticut, the building at 101 Oakview Drive houses the Business Office; Office of the Vice
President for Finance and Administration; Office of the Director of Facilities Management and Construction; Religious Education and Pastoral Studies (REAPS); Institutional Advancement; Art Department and faculty offices; Motion Analysis Laboratory; and administrative offices of WSHU Radio.

Park Avenue House
The offices of the Center for Mission Education and Reflection, Institutional Research, Personal Counseling Services and Health Services are located in the Park Avenue House at the southeast corner of the campus.

The William H. Pitt Health and Recreation Center
The William H. Pitt Health and Recreation Center is home to the Pioneer men's and women's basketball, volleyball, and wrestling programs, as well as many intramural programs. The three-level, 141,000 square-foot complex features four multipurpose basketball courts, which can be easily converted for indoor tennis or convention use, and seats 2,100 for basketball.

The main level of the Pitt Center also houses the Sacred Heart University Sports Medicine and Rehabilitation Center, a joint private practice/University venture offering many specialized clinical rehabilitation and wellness services in conjunction with academic-based faculty therapists, in a facility that features state-of-the-art physical therapy equipment.

The Health and Fitness Center is located on the lower level of the Pitt Center. Offering a wide range of fitness equipment and classes, the 5,000 square foot facility features an enclosed aerobics studio and main fitness area, where the latest generation of cardiovascular exercise machines and free weight equipment can be used. Locker rooms for both the Pioneer-athletic teams and Health and Fitness Center members are adjacent to the fitness area. The upper level of the Pitt Center houses the Department of Athletics suite of offices and the Board Room, which serves as a meeting/reception room for the Board of Trustees and other on-campus organizations.

Campus Field
Campus Field is the home of the Pioneer football, men's and women's soccer, field hockey, men's and women's lacrosse, and men's and women's outdoor track and field teams. Built in 1993, Campus Field features a newly installed, $750,000 state-of-the-art FieldTurf synthetic-surface, multi-purpose field with inlaid lines for the sports listed above. The field is surrounded by an eight-lane synthetic-surface running track available for competition and recreational use. With a seating capacity of 3,500, Campus Field is an ideal location for large-scale events and has been host to athletic tournaments, graduations and outdoor fairs. Adjacent to Campus Field are six state-of-the-art tennis courts constructed in 1995. Rounding out the outdoor athletic facilities, and adjacent to the Sacred Heart tennis courts, is Pioneer Park softball field, most recently updated in 2001.

Ryan-Matura Library
The Ryan-Matura Library is the place to go for information, whether it is the answer to a factual question or extended research for a term paper. Librarians are available at all times at the reference desk to answer questions and assist students in doing research. Instruction sessions are also conducted for class groups to make them familiar with the library and the research process. If the library does not own a desired resource, librarians will help students find it in other libraries, in commercial databases or on the Internet.

Most areas of the library are automated and require no special expertise. All the workstations have user-friendly software that both speeds up and simplifies the research process.

Periodicals and periodical indexes, including newspapers are found in print, film and electronic format. Any book or periodical not found in the
library can be obtained from another library through interlibrary loan.

At present the Ryan-Matura Library holds approximately 125,000 print volumes and 83,000 non-print items including audiovisual materials and over 2,500 periodical subscriptions. These include a significant number of full-text electronic journals available on more than 25 online index and abstracting databases or reference services that can be reached 24 hours a day/7 days a week from links on the library home page.

The library's web site is located at http://library.sacredheart.edu. It provides access to the library catalog, information about the library, electronic reserve reading, links to research databases and other related information. Databases are available from campus and home.

The library also houses the Jandrisevits Learning Center as well as the lounge for students enrolled in the Honors Program.

Residence Halls

The University currently houses students in seven different areas: South Hall, West Hall, East Hall, Jefferson Hill, Park Ridge Apartments, Park Royal Condominiums and Avalon Gates. These offer distinct residential lifestyles, from traditional high-rise resident halls to on-campus apartments to off-campus apartments, including the Avalon Gates townhouses.

Schine Auditorium

The Schine Auditorium, located in the lower level of the Ryan-Matura Library, provides an appropriate setting for lectures, workshops, academic convocations and other special programs. To reserve the 220-seat auditorium, call 203-371-7846 between 8:30 AM and noon, Monday through Friday.

Community Resources

Center for Christian-Jewish Understanding (CCJU)

The CCJU is an educational and research division of Sacred Heart University. The center draws together clergy, laity, scholars, theologians and educators in various modes of interaction to focus on current religious thinking within Christianity and Judaism.

As each tradition reevaluates attitudes toward the other, the center fosters the exploration of the major philosophical and theological issues on the frontier of the Christian-Jewish dialogue, as these are formulated by scholars at the international and national levels.

The center's mission is to develop programs and publications to overcome deep-seated antagonisms, based on centuries of hostility and mutual estrangement, that recent progress has not yet healed. It hopes to foster greater knowledge and understanding of the religious traditions of Christianity and Judaism and the history of their relationship, and to provide a forum for dialogue. It promotes independent research and serves as a vehicle for processing and circulating its findings to appropriate institutions around the world.

For further information about the Center for Christian-Jewish Understanding, call 203-365-7592 or visit its website at www.ccju.org.

Center for Mission Education and Reflection

The Center for Mission Education and Reflection was established in 1998 to further advance a mission-focused ethos throughout the University by providing varied opportunities for reflection and conversation on the University's mission and Catholic identity. Serving faculty, administrators, staff and students, the center provides orientation programs, resource materials and opportunities for professional development. The office and
resource library of the center are located on the first floor of the Park Avenue House.

**Edgerton Center for the Performing Arts**

The Edgerton Center for the Performing Arts enjoys a well-deserved reputation as a valuable resource for southwestern Connecticut's cultural life. It attracts thousands of guests annually to its program of performances and public forums.

The Edgerton Center’s resident professional theater company, complemented by talented students from the University, produces several musicals each year. Its 800-seat auditorium hosts theatrical programs staged by the University’s students, and community organizations regularly hold public events there.

The Edgerton Center for the Performing Arts has hosted such luminaries as Alicia de Larrocha, Julie Harris, James Earl Jones and James Naughton. In addition, thousands of school children are entertained and educated at special events, and hundreds more participate each year in the Summer Cabaret workshops. For further information, call the Edgerton Center’s box office at 203-374-2777.

**The Gallery of Contemporary Art**

The Gallery of Contemporary Art presents exhibits of contemporary works of art in a wide variety of approaches and media. The gallery offers six exhibits annually, which include a Student Exhibit, an exhibit of the Art Faculty’s work and four exhibits by professional artists. Most exhibits have associated lectures.

The gallery also administers the University’s Collection, the Sculpture on the Grounds program and the Voluntary Percent for Art program. For further information and exhibit hours, call the gallery at 203-365-7650.

**Hersher Institute for Applied Ethics**

Established in 1993, the Hersher Institute for Applied Ethics serves both the University community and the wider Fairfield County community by addressing issues of major ethical concern. The institute assists Sacred Heart University faculty from all disciplines to raise and examine broad ethical concerns and issues specific to their respective disciplines.

The Hersher Institute brings speakers to campus to address the faculty and provides training for integrating ethical viewpoints into the University curriculum. The institute supports the University’s wider mission by cosponsoring, with other departments and institutes, colloquia and conferences that raise important ethical questions for the University scholarly community and the general public. For further information, call 203-365-7657.

**Institute for Religious Education and Pastoral Studies (REAPS)**

The Institute for Religious Education and Pastoral Studies (REAPS) provides laity, clergy and religious students with opportunities for professional training and personal growth related to Catholic education, pastoral and ethical studies, religious education, sacred art, spirituality and other chosen fields of Church ministry. A primary focus of the institute is the formation of Catholic schoolteachers and those in pastoral and catechetical ministry. It also provides specialized formation for those in pastoral care and the healing professions, spiritual direction and workplace ethics. The institute helps qualify individuals through graduate-level, group and directed individual learning for Church-related positions.

REAPS sponsors over 40 distinct programs at multiple sites throughout the state of Connecticut, as well as annual programs in Florida, Massachusetts, Pennsylvania, and in Europe. The REAPS offices are located at the Oakview Campus and may be reached by phone at 203-371-7867, by fax at 203-365-4798 or by email at reaps@sacredheart.edu.
Radio Stations
The professionally operated WSHU-FM, located in Jefferson House, is a 20,000-watt station at 91.1 (FM). The station is Public Broadcasting qualified and a full member of National Public Radio, one of only two such stations in Connecticut and 312 nationwide. WSHU-FM offers classical music, news and public affairs to listeners of Southern Connecticut and Long Island, New York. WSHU operates six translators: 90.1 FM serving Stamford, Connecticut; 93.3 FM in Northford, Connecticut; 105.7 FM serving central Suffolk County, Long Island, New York; 91.3 FM in Huntington Station, New York; and 103.3 FM in Noyack, New York. The University also operates two News Talk Stations: WSUF at 89.9 FM, a 12,000-watt station with transmitting facilities in Greenport, New York and WSHU (AM) at 1260, a 1,000-watt standard broadcast station in Westport, Connecticut.

Student-run WHRT, a 390-watt station at 91.7 FM, in Ridge, New York, offers rock music, news and public affairs programs, and WHRT is the student, on-campus-only, radio station programmed by and for students.

The production and on-air studios, record library and newsrooms of radio station WSHU FM serves as learning laboratories for Media Studies and other disciplines.

Community/SHU Student Chamber Orchestra
The SHU-Community Chamber Orchestra provides opportunity for community and student musicians to play alongside each other and to perform a wide variety of music for small orchestra. Monday evening rehearsals culminate in concerts at the University each semester and additional performances in the community.

Sports Medicine and Rehabilitation Clinic
The University operates two physical therapy and hand therapy clinic facilities, one on campus affiliated with the academic program in Physical Therapy, and one in Shelton, Connecticut. The on-campus clinic is located in the William H. Pitt Health and Recreation Center. The clinics provide physical therapy and hand therapy services to students, employees and the public. Clinic staff includes several members of the Physical Therapy program faculty as well as several staff members who are advanced clinicians in orthopedic, sports physical therapy and hand therapy. All are licensed physical therapists. The clinics operate five days per week, 12 hours per day. This clinic service is also closely affiliated with the University's athletic training program to serve the rehabilitation needs of our student-athletes.

The clinical facility features the latest technological equipment in isokinetic testing with a new Biodex II system, a full range of orthopedic and sports physical therapy evaluation resources, a therapeutic pool and a full hand rehabilitation center. Patients of the clinic may take advantage of the comprehensive fitness facilities of the William H. Pitt Health and Recreation Center under the supervision of a Physical Therapy staff member. The clinics are authorized providers for most major medical insurance carriers. For further information, call 203-396-8181.
Degrees and Curricula
DEGREES AND CURRICULA

The goal of Sacred Heart University is to provide an educational experience for the student that will result in his or her development as a whole person; a person who possesses the intellectual ability to know, judge, reason, analyze, synthesize, discern and appreciate; a person who is sensitive and responsible to the needs of society and accepts the responsibility to preserve the dignity of fellow human beings; a person who is aware of the laws that govern the physical world and who is alert to the preservation of the beauty of nature; a person who possesses a sense of moral responsibility to self, community and nation.

Sacred Heart University firmly believes that this goal can best be achieved by providing the student with a core curriculum that is composed of a broad liberal arts component that includes all of the major academic areas. The core curriculum, which is required of all students, serves as a unifying educational experience, regardless of the chosen major area of specialization and future professional career choice.

With the liberal arts as its foundation, Sacred Heart University offers two baccalaureate degrees: Bachelor of Arts (BA) and Bachelor of Science (BS) in 29 major fields and 27 minor fields. In addition, the University offers four associate's degrees in two categories: Associate in Arts (AA), and three Associate in Science (AS) degrees.

Baccalaureate Degree Programs

All candidates for the baccalaureate degree must complete at least 120 credits, with a minimum of 30 credits taken at Sacred Heart University. A minimum cumulative grade point average (GPA) of 2.0 is required.

The baccalaureate curriculum is made up of five components:

- The Required Core (Area A: 18 credits)
- The Elective Core (Area B: 30–32 credits)
- The BA/BS requirement (6–8 credits)
- The Major Field (30–58 credits)
- Electives (4–36 credits)

Area A: Required Core (18 Credits)

The Required Core provides the student with a competency in writing, communication and mathematics and an appreciation of history and literature. It aims at the following outcomes:

- Proficiency in written English rhetoric at the collegiate level as determined by the Department of Languages, Literature and Media Studies. EN 011 (Introduction to Rhetoric) and EN 012 (Rhetoric: The Research Paper) normally fulfills this requirement. A grade of C or better is required in each course.

- Proficiency in oral rhetoric as determined by the Department of Languages, Literature and Media Studies. CA 021 (Effective Communication) with a grade of C or better normally fulfills this requirement.

- Proficiency in mathematics at the collegiate level. MA 101 (Modern College Mathematics I) or MA 102 (Mathematics for Decision Making) normally fulfill this requirement. A higher-level mathematics course may also be used to fulfill this requirement.

- Proficiency in mathematics at the collegiate level. MA 101 (Modern College Mathematics I) or MA 102 (Mathematics for Decision Making) normally fulfill this requirement. A higher-level mathematics course may also be used to fulfill this requirement.

- EN 101 (Approaches to Literature) Transfer students may substitute any two upper-division literature courses or an introduction to literature course covering all genres (single-genre courses, such as Introduction to Poetry, etc., do not satisfy this requirement).

- HI 101 (Civilizations) Transfer students may substitute one semester or more of Western Civilization. Students presenting other history courses should consult with the chairperson of the Department of History and Political Science, College of Arts and Sciences.
Area B: Elective Core (30–32 Credits)
The Elective Core has four major areas that:

• provide the student with the opportunity to experience other disciplines, obtain a background for further study and gain the knowledge to be a well-rounded and educated human being.

Core Curriculum courses:

• provide the student with the basic methodological concepts and perspectives of the discipline including, where germane, the ethical obligations and responsibilities that evolve upon practitioners of the discipline;
• show the student how the discipline fits into the universe of liberal arts and sciences;
• show the student the usefulness of the discipline to personal intellectual growth and also the practical applicability of the discipline; and
• are taught by methods that enhance the student's critical-thinking skills and the ability to express himself or herself.

Each core course is marked with a “t” in the Course Descriptions section.

Area B-1
Students must choose six credits from at least two of the following disciplines:

Art
Foreign Language
History
Literature
Media Studies
Music

Area B-2
Students must choose nine credits from at least two of the following disciplines:

Anthropology
Economics
Political Science
Psychology
Sociology

Area B-3
Students must take two courses from the following, with at least one in the natural/physical sciences:

Biology
Chemistry
Computer Science
Mathematics
Physics

Area B-4
Students must take nine credits from the following two disciplines:

Philosophy
Religious Studies

Bachelor of Arts/Bachelor of Science Requirements (6–8 Credits)
The BA/BS requirements provide the student with either a study of modern foreign language or additional study in mathematics and science. Students may choose either degree for most majors.

For the BA, the student must complete six credits in the same modern foreign language at a level depending on his or her previous educational background. Sacred Heart University offers language on three levels: First-Year, Intermediate and Advanced. These credits cannot be used in Area B-1.

For the BS, the student must complete a second mathematics course. The particular course depends on the major field of study. In addition, the student must complete a natural or physical science course different from the Area B-3 science requirement.

The Major Field (30–58 Credits)
The major provides the student an area of specialty as a foundation for graduate study or as a step-
ping-stone for a career. Several baccalaureate majors offer multiple specialization programs. One-half of the student's major must be completed at Sacred Heart University. Sacred Heart University offers the following baccalaureate major programs, with concentration options listed after the major:

**College of Arts and Sciences**

Art: Illustration, Painting, Graphic Design  
Biology  
Chemistry: Biochemistry, Environmental,  
Traditional  
Communications: Technology  
Computer Science: Computer Science,  
Information Technology  
Criminal Justice: Corrections, Law Enforcement, Security  
English: Communication, Drama, Generalist,  
Literature, Writing  
Environmental Science  
History  
Mathematics  
Media Studies  
Philosophy  
Political Science  
Psychology  
Religious Studies  
Social Work  
Sociology  
Spanish

**College of Business**

Accounting  
Business Administration: International Business,  
Management Information Systems,  
Management, Marketing, Sport Management  
Economics  
Finance  
International Business (BA only)  
Legal Administration-  
Sport Management

**College of Education and Health Professions**

Human Movement and Sports Science  
Nursing (BS only): First Professional Degree Program, Completion Program

**University College**

General Studies  
Leadership Studies (an accelerated Bachelor of Science degree for adults)

**Electives (4–36 Credits)**

Electives are courses in the major or minor fields or other subjects that interest the student. Electives should be selected in consultation with the student's academic advisor.

Students majoring in any discipline may also elect cross-curricular programs including Education, Honors or a pre-professional program (Pre-Law, Pre-Medical/Pre-Dental, Pre-Occupational Therapy, Pre-Optometry, Pre-Physical Therapy, Pre-Veterinary). These are explained in the Academic Enhancement Programs chapter in this catalog.

**Minor Programs**

In addition to a major, the student may choose an optional minor program from the following:

**College of Arts and Sciences**

Art  
Biology  
Chemistry  
Computer Science  
Criminal Justice  
English  
European Studies  
French  
Global Studies  
History  
Honors  
Italian  
Latin American Studies
Associate of Arts Degree—
General Studies Program

All Associate of Arts degrees are offered by University College. The candidate for the AA degree in General Studies must complete 60 credits, which include the AA Core Curriculum, an emphasis of not less than 15 credit hours and elective courses chosen in consultation with the student's advisor. A minimum of 30 of these credits must be taken at Sacred Heart University, and a minimum cumulative GPA of 2.0 is required.

Core Curriculum
The Core Curriculum for the AA degree provides the student with the opportunity to experience other disciplines, obtain a background for further study and gain the knowledge to be a well-rounded and educated human being. In addition to completing six credits from each of the four core areas, the student must demonstrate a proficiency in both written and oral rhetoric as determined by the Department of Languages, Literature and Media Studies. EN 011, EN 012 and CA 021 normally fulfill these requirements. A grade of C or better is required in all courses taken to establish this proficiency.

Area I
Students must choose six credits from at least two of the following disciplines:
Art
Foreign Language
History
Literature
Media Studies
Music

Area II
Students must choose six credits from at least two of the following disciplines:
Anthropology
Economics
Political Science
Psychology
Sociology

Area III
Students must take six credits from at least two of the following disciplines (including one natural/physical science):
Biology
Chemistry
Area IV
Students must take six credits from the following disciplines:
Philosophy
Religious Studies

Emphasis
Credits range from 15–32, depending on the emphasis.

Note: The required courses for each emphasis are listed under each college and department section.

A grade of C or better is required in all emphasis courses. Area discipline courses cannot be used in above core areas. Areas of emphasis with required courses are:

College of Arts and Sciences
Art
Biology
Chemistry
Early Childhood/Psychology
English
French
History
Italian
Mathematics
Media Studies
Music
Philosophy
Political Science
Psychology
Religious Studies
Sociology
Spanish

College of Business
Accounting
Business
Economics

University College
Leadership Studies

Associate of Science Degrees
The University offers the following Associate of Science degrees:
Banking (College of Business)
Computer Science and Information Technology (College of Arts and Sciences)
Paralegal Studies (College of Business)

Note: The requirements for each degree are listed under the college offering the degree.
Academic Enhancement Programs
SACRED HEART UNIVERSITY UNDERGRADUATE CATALOG

ACADEMIC ENHANCEMENT PROGRAMS

Academic Advising
Full-time freshmen are assigned an advisor from their particular program: Academic Incentive Program (AIP), English as a Second Language (ESL), Honors Program (HP) and/or Newcomer (NC), until they formally declare a major. (See listings below.)

Once a major is chosen, students are assigned an academic advisor in their major field. The faculty member works with the student to plan out a sequence of the required courses for completion of the degree. In addition, the advisor suggests elective courses that will best serve the student's needs. Some courses require pre-authorization from the advisor or the instructor before registration. Pre-professional students are also assigned an additional advisor for their pre-professional program.

Academic Incentive Program (AIP)
The Academic Incentive Program provides the highly motivated, academically underprepared student entering a full-time undergraduate program of study at Sacred Heart University with the academic and personal support necessary to ensure success at college. Students are identified for the program by their high school record, including grade point average (GPA) and class rank, as well as their SAT scores. The English placement test given prior to registration is also used as an indicator.

The program includes:
• individual and small-group tutoring at the Jandrisevits Learning Center in reading, writing and study skills.

First-year freshmen are assigned to an AIP team of 30 students representing two English classes, with two English professors who also serve as faculty advisors and a core curriculum professor. Students register for the following courses:
• EN 011 Introduction to Rhetoric (3 credits)
• FS 101 Freshman Seminar (1 credit)
• Mathematics (according to placement test results)
• A core curriculum course (3-4 credits)
• Electives (3-6 credits)

Second-year AIP freshmen register for a traditional program of study, with the guidance of an advisor, and continue to study with the 30-student team and faculty advisors.

At the end of the freshman year, the student is encouraged to declare a major and transfer to a faculty advisor within that field of study. Students who remain undeclared continue to work with the freshman advisors.

English as a Second Language (ESL)
The ESL program is designed for students whose native language is not English and who wish to study English either full or part-time. Its purpose is to help students improve their oral and written communication skills in English, preparing them for successful study in an American academic institution.

The program offers six levels of English language courses, from beginning to advanced. The first four levels are pre-academic, intensive courses. The full-time ESL student enrolls in eight-week sessions, taking a cluster of oral communication, written communication and an elective, totaling 20 hours per week. In addition, students work in the multimedia language lab and on computers.
with audio, video, software and online learning programs.

Levels 5 and 6 are academic levels and are credit-bearing, semester-long courses which focus on college reading and writing. Students in one of these levels may take University classes while they complete their language training. Thus, the full-time, upper-level ESL student takes a combination of ESL and University courses, carefully planned by his or her academic advisor. Whereas, the completion of level five satisfies the English language requirement for graduate study at this University, students may be advised to take level six as well. For further support, tutoring is also available at the University Learning Center.

Placement in the ESL program depends on TOEFL or SAT scores, University placement tests, an oral interview and the student's language profile. For more information regarding the program, contact the director at 203-371-7837.

**Freshman Seminar Program**

As part of the freshman advising system and as the cornerstone of the freshman year experience, all entering freshmen are required to take Freshman Seminar (FS 101), a one-credit course, during their first semester. In an interactive and varied classroom environment designed to promote class identity and peer support, new students learn to manage the transition from the directed learning of secondary school to the independent learning of college. Guided by a faculty/staff instructor, who is also the student's freshman academic advisor, and supported by upper-class Junior Mentors, each new student can develop relevant college study skills and discuss pertinent social, moral and personal issues. The goal is to offer the skills, support and motivation needed for success in college.

**FS 101 Freshman Seminar  1 CR**

Freshman Seminar assists new students in developing the skills and habits needed to succeed in college. This course, in an interactive and varied environment, introduces new students to pertinent college learning skills and to important social and personal issues. FS 101 is a pass/fail course required of all full-time freshmen.

**Honors Program (HP)**

The Honors Program is organized around those ultimate questions about reality and human life that are an unavoidable part of the human experience and that are at the heart of the human puzzle. The program stands firm in the conviction that the Honors experience should offer gifted students the opportunity to confront these questions, to explore the answers that have been offered throughout the history of human thought and reflection, and to test these answers in the light of their own experiences. Honors students are then offered through the University’s core requirements the opportunity to confront the question of meaning and orientation, of suffering and the reality of death; of freedom, responsibility, morality, justice, hope, God, the nature of the physical world; and to understand and appreciate themselves as the historical beings that they are.

The Honors Program is a University Honors Program as opposed to a college- or department-based honors program. The Honors curriculum consists of at least 30 credits in courses that fulfill the University’s liberal arts core requirements. All Honors courses have limited enrollment, are rarely larger than 20, and “everybody knows your name.” Some of these courses may be interdisciplinary; some may be team-taught; all will challenge, enrich and expand the understanding of the Honors student.

Honors graduates will be designated as “University scholars,” receive special recognition in the Commencement program, receive a special diploma and an Honors designation on their permanent transcript.

**Unique Opportunities**

In addition to top-notch courses and professors,
students who participate in HP experience some of the greatest cultural and intellectual events in the world — museum exhibitions, theatrical productions, opera, concerts, etc. — thanks to the University’s ideal location between New York City and Boston. The Honors Program offers a Senior Scholars program; special networking events with corporate and community leaders; and assistance with graduate school placement. Honors students are encouraged to take advantage of the University’s study abroad programs in Ireland and Luxembourg. After graduation, Honors graduates can approach the future with greater confidence whether they are seeking employment in the workforce or entrance to leading graduate schools.

Honors Guidelines

Admission to the Honors Program is competitive. An invitation to join the Honors Program is extended on the basis of the following: SAT scores totaling at least 1150; high school transcripts indicating a cumulative GPA above 3.2 on a 4.0 scale; graduation in the top 10 percent of the high school class; and an interview with the director of the Honors Program or the Honors Committee. Students must maintain a minimum GPA of 3.4 to remain in the program. Some students may apply and be admitted to the Honors Program as sophomores on the basis of having achieved a GPA of at least 3.4 in their freshman year, the recommendation of instructors in their freshman courses and an interview with the Honors Committee.

Independent Study and Individual Instruction

Independent study is available for the qualified student who wants more advanced or specialized work in a given academic area. Faculty members guide the student in the research needed for the study. Only the student who has officially declared a major and who has successfully completed at least 15 credits will be able to enroll. A maximum of 6 credits will be permitted toward the baccalaureate degree.

Independent study courses are designated as course number 399 in the appropriate subject area (e.g., EN 399 Independent Study in English). Usually, an independent study course is awarded three credits.

Individual instruction is available for the student who needs a specific course to fulfill degree requirements but is unable to schedule the course for a valid reason (involvement in student teaching, field experience or unavailability of the course). The syllabus for individual instruction conforms to the usual requirements, including required assignments, for that course. Ordinarily, no student will be permitted to take more than one individual course per semester, and no more than two individual courses to fulfill degree requirements.

Instructional Technology and Student Mobile Computing Program

Recognizing the increasingly important role of technology in our society and in education, Sacred Heart University has made a commitment to, and a serious investment in, computers, networking and its supporting technologies. The University’s network infrastructure provides connectivity to every facility on campus via a fiber-optic Asynchronous Transfer Mode (ATM) and Gigabit Ethernet backbone. The network architecture is capable of supporting well over 5,000 simultaneous users at any given time.

Network services are provided to the student community via 10- and 100-megabit data jacks. These provide access to the University library, Internet and student e-mail 24 hours a day, seven days a week. Wireless access is also provided in the Academic Buildings, library and most other indoor and outdoor locations where students gather on campus.

Virtual Private Networking (VPN) provides an alternate method for accessing Sacred Heart
University's network from off campus. VPN, Citrix and terminal services are available to provide connectivity solutions for even the most sophisticated applications, from anywhere on the Internet. Outlook Web Access (OWA) is available through the web, for sending and receiving e-mail from any computer connected anywhere on the Internet.

In order to promote its "Anytime, Anywhere Learning" initiative, Sacred Heart University partnered with Symbol Technologies, Inc. in the summer of 2000 to create one of the first wireless network campuses in New England. This infrastructure allows students to use their laptops in nearly all outdoor areas on campus, and in most public areas indoors.

The current wireless standard is IEEE 802.11b, supporting 11Mbps, and is scheduled to migrate toward the faster 54Mbps IEEE 802.11a as the technology matures.

The students' computing laboratories are currently comprised of 270 desktop computers dispersed throughout several academic facilities. Six laboratories are used for computer-related instruction, and an additional lab, provides 24/7/365 access for Sacred Heart University students, faculty or staff. The University recently completed the installation of eight new "smart" classrooms with fixed multimedia capabilities that allow instructors to integrate technology in their classroom presentations. These rooms are equipped with LCD projectors, DVD, VCR, audio capabilities, and PC/laptop connections. All classrooms on campus are equipped with an active data jack for instructors or students to access the network. Additionally, there are data/CATV connections in every room for use by the instructor. The network infrastructure is designed with future technologies in mind so that Sacred Heart University will be ready for Voice over IP, streaming media and hosted applications as the curriculum expands.

In 1995, Sacred Heart University became the first university in Connecticut and the fourth in New England to require incoming freshmen to own a notebook computer that meets a specified standard (networking connectivity—wired and wireless—to access the Internet, e-mail, University library and other libraries across the country and other networked resources). By fall 1998, all of the University's full-time undergraduate students had notebook computers. In the fall of 2000 the laptop program was changed in order to replace every student used laptop after two years of use, thereby insuring that students have the latest hardware and most current software available. The Mobile Computing Program, and the universal nature of the program on this campus, makes integrating technology across the curriculum and into the daily lives of our students, a much easier process. In addition, Sacred Heart University provides all its full-time faculty members with a notebook computer. Faculty members are able to incorporate more online information into the curriculum and use computers as a key component of classroom instruction; faculty and students are able to communicate using Sacred Heart's Online Web-based Course Management System, "BLACKBOARD," for class content, assignments, questions and classroom discussion groups as well as virtual office hours.

**Computer Facilities**

Sacred Heart University offers a state-of-the-art campus network. The library, classrooms, on-campus residence facilities, health and recreation center, and faculty and administrative offices are all networked. With its fiber-optic infrastructure, the University is positioned to support a wide range of emerging technologies.

The University has established itself as a pioneer in the implementation of technology across the curriculum.

A host of multi-processor campus servers supports the labs and educational programs. The University's Fractional T3 Internet connection and an ATM OC-12 backbone provide support to a combination of OC-3 155Mbps ATM and Fast Ethernet 100 Mbps segments. The ATM network
also supports video, voice and data across the campus. State-of-the-art routers provide high-speed connectivity and security to Wide Area Network segments.

In support of the laptop program, the University has an on-site Notebook Service Center staffed by certified technicians and open 12 hours a day, Monday through Friday. This facility is specifically designed to service and troubleshoot problems with laptops. In addition, Sacred Heart University has a full-time trainer who provides basic, intermediate and advanced instructional courses on all supported applications included on the laptop. Through Sacred Heart’s 24-hour-a-day telephone support hotline, students, faculty and staff can dial a toll-free number to obtain technical assistance.

The library also provides a wide range of electronic resources, including Innovative Interfaces Online Catalog; Connecticut Digital Library; ProQuest Database (newspapers, general, business, medical and social sciences periodicals indexes); Encyclopedia Britannica Online; First Search database (includes World Cat, ERIC, Medline, Cinahl, MLA Bibliography, etc.); as well as many other electronic resources, including Psych Info. Access to these resources is available through the University’s library homepage.

**Wireless Networking**

To promote our “Anytime, Anywhere Learning” initiative, Sacred Heart partnered with Symbol Technologies, Inc., in 2000 to create one of the first wireless network campuses in New England. This infrastructure allows students to use their laptops in nearly all outdoor areas on campus, and in most public areas indoors.

**Jandrisevits Learning Center**

**Office of Academic Support**

The Jandrisevits Learning Center (JLC) is located in the lower level of the Ryan-Matura Library. Staffed by highly experienced faculty tutors and well-trained peer assistants, the JLC provides a warm, friendly learning environment where the needs of students are our primary concern. The JLC offers the following support services to all undergraduate and graduate SHU students:

- individualized one-hour tutoring in all disciplines provided by a staff of 10 faculty tutors;
- monthly workshops on college-level learning skills such as note-taking, time management and test-taking;
- classroom learning assistants (70 peer tutors who provide academic support in disciplines across the curriculum);
- learning disability specialists in compliance with § 504 of the 1973 Rehabilitation Act;
- adaptive technology instruction for learning and physically challenged students;
- an online writing service (JLC.OWL) and an online math service (JLC.MATH); and
- drop-in tutoring for selected courses and referrals for individualized tutoring.

The JLC is open 7 days a week: Monday–Thursday, 10 a.m.–9 p.m.; Friday, 10 a.m.–3 p.m.; and Saturday–Sunday, 2 p.m.–6 p.m.

**Office of Special Services**

**Federally Mandated Services**

- Disclosure Letters. At the written request of students, the Director of Special Services writes letters to some or all of the students’ professors which clearly states the nature of the disability and the appropriate classroom accommodations.

- Extended-Time and Separate Environment Testing. Extended-time testing (usually time and a half or double time) takes place either in classrooms designated by professors or in a separate, secluded environment within the JLC.

- In-Class Notetaker. In-class notetakers are fellow students who are also taking the class. By agreement, these students make copies of their notes or allow students in need to duplicate notes.
on a copy machine paid for by the JLC Disabilities Office.

Interpreting and/or Technical Services. Deaf or hard-of-hearing students can request either an oral interpreter or an American Sign Language interpreter. If they do not use interpreters, but have a significant hearing loss, technology can be requested to assist in understanding classroom lectures and obtaining notes.

Alternative Forms of Testing. Depending on the students' documentation and disabilities, the Special Services Office negotiates appropriate alternative testing methods on a case-by-case basis.

Course Substitutions when Appropriate. A course substitution policy enables physically and learning challenged students on a case-by-case basis to request previously approved alternatives in place of specific required courses, but only when it is clear that the required courses would severely disadvantage students' ability to successfully compete in those courses.

Classroom Learning Assistants Program. Tutoring in disciplines across the curriculum is provided for all Sacred Heart University students free of charge by graduates and undergraduates in the Classroom Learning Assistants Program (CLA). The CLAs are responsible for providing students with a full set of notes for the class, assisting them with tests, study or paper preparations.

Books on Tape. Students can be provided with recorded books either through Sacred Heart University's institutional membership with Reading for the Blind and Dyslexic (RFB&D), or by creating books on tape within the University's Adaptive Technology Lab.

Additional Billable Services L.D. Trained Specialists. The Director of Special Services along with L.D. specialists, who collectively provide services day and evening for a total of 35 hours a week, assist students with special needs on a one-to-one basis. These tutors have expertise in specialized pedagogy for the learning disabled and, thus, provide services over and beyond those offered by the University's regular tutorial program.

Transcription of Taped Notes. Professional transcribers collect students' tapes on a regular basis and provide them with a complete set of typed notes.

Technical Services. A closed-caption note-taking system provides notes for students who choose to avail themselves of an additional academic accommodation beyond those required by law.

Content Tutors. Tutoring in disciplines across the curriculum is provided for all Sacred Heart students free of charge by graduates and undergraduates in the Classroom Learning Program. While students with disabilities may attend group CLA tutoring sessions, some also need the special expertise of faculty tutors—over and beyond what is provided by tutors in the Classroom Learning Assistants Program—to provide them with individual assistance on a regular basis.

Hired Scribes. An upperclass student not registered for the class who attends the class for the sole purpose of taking notes for the student requesting the service is available. Scribes are paid not only for taking class notes but also for assisting with homework assignments.

Academic Coaching. A personal service is available that assists learning and physically challenged students to develop organizational life-skills that will foster independence and increase their opportunities for academic success.

Appointments: Call 203-371-7820, or come to the JLC, located in the lower level of the Ryan-Matura Library.
Internship and Co-op Programs

Sacred Heart University embraces the concept of experiential learning as a way of supplementing the classroom experience, exploring different career paths and enhancing the student's marketability when seeking post-graduate employment. Opportunities include both internships and co-ops.

Internships may be paid or unpaid and are completed by the student for academic credit. The length of the internship and the number of credits awarded vary. A typical placement lasts for one semester and involves 10 to 20 hours of work per week.

In co-op placements, the student works full-time for one or two semesters for a set hourly wage and 6–12 academic credits per semester. This allows the student to maintain full-time student status while earning a salary and gaining valuable experience.

The student works with his or her faculty advisor to gain approval for the content of an internship or co-op, and to determine the number of credits that will be awarded. The student must also complete the required documentation from the Office of the Registrar. The Office of Career Development assists the student in locating an appropriate position.

Internships and co-ops are available in all fields including the sciences, business, health care, media and government. Students interested in these programs should consult their faculty advisor as well as the Office of Career Development.

The Newcomer (NC) Program

The Newcomer program, the largest of Sacred Heart University's freshman advisory programs, provides academic advising for all "regular-admit" freshmen—those new students who are not members of the specialized programs. The Dean of Freshmen supervises the faculty advisors in the program as they guide students through their first year of college. Meeting regularly with advisees throughout freshman year, advisors provide academic advice and support, assist with course and program selection and make referrals to other University support services. Doubling as the instructor in the student's Freshman Seminar Class, the advisor remains a new student's primary advisor and first line of support through the entire first year.

To establish a peer support group and to create a supportive learning community, a freshman begins study in a cluster of about 20 students for three courses during his or her first semester. Typically, those courses are:

- Introduction to Rhetoric (EN 011) 3 credits
- Freshman Seminar (FS 101) 1 credit
- Civilizations (HI 101) 3 credits

or

- Effective Communication (CA 021) 3 credits

The rest of the student's schedule includes courses from the University Core Curriculum and courses from the student's area of interest.

Pre-Professional Programs

Sacred Heart University offers pre-professional programs in Pre-Law, Pre-Medical/Pre-Dental, Pre-Optometry, Pre-Occupational Therapy, Pre-Physical Therapy and Pre-Veterinary.

Pre-Law Program

There is no prescribed pre-law course required for admission to law school. The student interested in law as a career is advised to secure a strong education in the liberal arts. The Pre-Law advisor will help design a Pre-Law program and will aid in the law school admission process.
Pre-Medical/Pre-Dental, Pre-Optometry and Pre-Veterinary Programs

The Pre-Medical/Pre-Dental, Pre-Optometry and Pre-Veterinary programs give the student the required educational background to pursue a career in medicine, dentistry or related health professions at a professional college or university. The balanced curriculum for the program consists of studies in biology, chemistry, English, humanities, mathematics and the social sciences, and provides the student with the humanistic values and scientific background needed to pursue a career in the health care field.

Pre-Occupational Therapy and Pre-Physical Therapy Programs

For more information, please refer to the corresponding section under the College of Education and Health Professions.

Study Abroad

Sacred Heart University students may participate during the fall or spring semester or during the full academic year in study-abroad opportunities preapproved by the Office of Study Abroad. The University has carefully preselected a wide range of study-abroad opportunities sponsored by various U.S. accredited institutions through the CCIS Consortium (College Consortium for International Studies) and through programs sponsored by Marist College. The Office of Study Abroad helps students select and apply to these programs and facilitates the transfer of credits from these programs by clarifying prior to participation how the courses will be used in the Sacred Heart degree program. Students who participate in study-abroad programs during the fall or spring semesters are assessed a study-abroad fee. Those eligible for federal financial aid may have such aid applied to the CCIS or Marist programs, but Sacred Heart grants will not apply to these programs.

Short-term programs of two to four weeks, led by Sacred Heart faculty, are also available. Recent short-term summer experiences include programs in Ireland and Amsterdam.

For more information, contact the Coordinator of Study Abroad at 203-396-8022.

Women's Studies Program

Women's Studies is an academic, interdisciplinary program oriented to the study of women and gender roles. The program draws on the new scholarship about women from different cultures and socioeconomic backgrounds in order to examine and critique traditional models of thinking and to develop creative ways of exploring women and their experiences. Theoretical and critical debates that have influenced modern feminist thought are also an integral part of the curriculum. Students select courses cross-listed in Women's Studies and a variety of other disciplines including: Criminal Justice, Literature, Media Studies, Nursing, Philosophy, Political Science, Psychology, Religious Studies and Sociology.

The Women's Studies program provides students with the opportunity to broaden their education by enriching their understanding of women through multiple fields of inquiry. The program supports critical thinking about women's and men's social, economic, cultural and political roles in the past, present and future. It challenges students to develop their intellectual understanding of the impact of gender as an organizing force in society. Students are encouraged to explore the meaning and application of this knowledge to their own lives.

For details on course requirements for a Women's Studies minor, see the listing under the College of Arts and Sciences.

ACADEMIC ENHANCEMENT PROGRAMS 63
Academic Standards, Policies and Procedures
ACADEMIC STANDARDS, POLICIES AND PROCEDURES

Academic Standards

Academic Probation

1. All students, except first-semester freshmen, whose cumulative grade point average (GPA) falls below 2.0 will be placed on Academic Probation. Any student (including first-semester freshmen) who receives a one-semester GPA of less than 1.8 will also be placed on Academic Probation.

If a student's cumulative GPA is 2.2 or above and the semester GPA is lower than 1.8 but not lower than 1.5, the student will be administered an Academic Warning, rather than placed on Academic Probation. However, two consecutive semesters of less than a 1.8 GPA, regardless of cumulative GPA, will automatically result in Academic Probation.

2. A student who receives two or more F's or WF's in any given semester will be placed on Academic Probation.

3. Any full-time student (enrolled for 12 or more credits) who fails to complete 12 credits in a semester will be reviewed and ordinarily placed on Academic Probation.

4. A student on Academic Probation may choose to enroll in courses during the University's Winter session and Summer School. Grades from the Winter session will be applied to the Fall-semester GPA, while grades from the Summer session(s) will be applied to the Spring-semester GPA. This will include grades from all courses taken during Winter session and Summer School, not just repeats of failed courses. Winter session and Summer School grades will also apply to the cumulative GPA.

Student Academic Standing

Satisfactory academic progress is determined by two criteria: good academic standing and normal progress.

Good Academic Standing

A student is in Good Standing if he/she is not on Academic Probation or dismissed from the University. Any student not in Good Standing may not represent the University in any public manner as a member or officer of a University registered club or organization, delegate to any association meeting or convention or participant in intercollegiate athletic competitions. Any student who is placed on Academic Probation or dismissed from the University is immediately ineligible to represent the University in any of the above activities.

Normal Academic Progress

A student whose credits completed fall below the minimum listed is considered as not making normal academic progress. Many financial assistance programs are contingent on the student's maintaining normal academic progress.

<table>
<thead>
<tr>
<th>Number of Full-Time Semesters Completed</th>
<th>Student Status</th>
<th>Credits Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Freshman</td>
<td>0–23</td>
</tr>
<tr>
<td>4</td>
<td>Sophomore</td>
<td>24–48</td>
</tr>
<tr>
<td>6</td>
<td>Junior</td>
<td>49–72</td>
</tr>
<tr>
<td>8</td>
<td>Senior</td>
<td>73–96</td>
</tr>
<tr>
<td>10</td>
<td>Fifth Year</td>
<td>97–120</td>
</tr>
</tbody>
</table>

Dismissal

All students subject to dismissal for academic reasons will be reviewed individually by the Academic Review Board of their college prior to a final decision and notification.
1. A student who is on Academic Probation for two consecutive semesters will be subject to dismissal.

2. Any student who incurs three Academic Probations during his or her academic career will be subject to dismissal.

3. Any student whose cumulative GPA falls below the following levels will be subject to dismissal:

<table>
<thead>
<tr>
<th>Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>After one semester</td>
</tr>
<tr>
<td>16–30 credits attempted</td>
</tr>
<tr>
<td>31–90 credits attempted</td>
</tr>
<tr>
<td>91+ credits attempted</td>
</tr>
</tbody>
</table>

A student who has been dismissed can appeal the dismissal to the Academic Review Board through the dean of his or her college for reinstatement.

**Grading System**

The Undergraduate System of Grades, along with points issued for each grade, is:

<table>
<thead>
<tr>
<th>Grade</th>
<th>QP/Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.50</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.50</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>D+</td>
<td>1.50</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>P (Pass)</td>
<td>0.00</td>
</tr>
<tr>
<td>NP (No Pass)</td>
<td>0.00</td>
</tr>
<tr>
<td>W (Withdrawal)</td>
<td>0.00</td>
</tr>
<tr>
<td>WF (Withdrawal Failing)</td>
<td>0.00</td>
</tr>
<tr>
<td>I (Incomplete)</td>
<td>0.00</td>
</tr>
</tbody>
</table>

A grade below C is not an acceptable grade in Rhetoric, Effective Communication or major course work. In addition, some courses have as their prerequisite a grade of C or better. A course must be repeated until a C or better is obtained. A repeated course can only be credited once toward degree requirements.

A student's dissatisfaction with a course grade is, in general, not sufficient grounds for pursuing a grade grievance. For extraordinary cases, a procedure for grade grievance is established and must be followed by a student wishing to pursue a grade grievance. This procedure is available in the Office of the dean of the college and the chairperson of the academic discipline.

**Academic Policies**

**Academic Appeals**

Any student placed on Academic Probation or dismissed can submit a request for change of status to the Academic Review Board through the dean of the college. A student who has been dismissed in previous semesters must obtain permission from the Academic Review Board before re-enrolling in the University. For more information, contact the dean of the student's college.

**Academic Forgiveness**

When a failed course is repeated, only the most recent of the two grades will be counted in the computation of the grade point average (GPA). The original grade, however, will be kept on the transcript. This policy is limited to the first two F's.
repeated during undergraduate study. A student who has repeated a course and wants to make an adjustment to his or her transcript must submit the Repeated Course form to the Registrar's Office.

A student who has not been in attendance at Sacred Heart University for five years or more may apply for academic forgiveness of grades for courses taken at Sacred Heart during a problem semester—defined as one in which the student's GPA was 2.0 or lower. Prior to a written filing for academic forgiveness, the student must complete at least 12 total credits over a two-semester period at Sacred Heart University, with a cumulative average of at least 3.0 in these courses. Upon the successful completion of the 12-credit requirement, the student submits a formal written request for academic forgiveness to an Academic Review Board through the Office of the University Registrar. The student's written request should provide detailed information regarding the kinds of problems that the student experienced during the period for which forgiveness is requested, how those problems have been remedied and why the University should consider forgiveness in his or her case. A majority vote of the Academic Review Board is required to grant forgiveness.

Academic forgiveness means that the grades from problem semesters remain visible on a student's transcript, but those grades are not calculated in the student's overall GPA. Forgiveness will affect whole semesters and not individual courses within a semester.

**Academic Integrity**

**The Meaning of Academic Integrity**

As an institution of higher learning, Sacred Heart University places special emphasis on academic integrity, which is a commitment to the fundamental values of honesty, trust, fairness, respect, and responsibility. Only when these values are widely respected and practiced by all members of the University—students, faculty, administrators and staff—can the University maintain a culture that promotes free exploration of knowledge, constructive debate, genuine learning, effective research, fair assessment of student progress, and development of members' characters.

These aims of the University require that its members exercise mutual responsibilities. At its core, academic integrity is secured by a principled commitment to carry out these responsibilities, not by rules and penalties. Students and faculty should strive to create an academic environment that is honest, fair and respectful of all. They do this by evaluating others' work fairly, by responding to others' ideas critically yet courteously, by respecting others' intellectual and physical property, and by nurturing the values of academic integrity in all contexts of University life.

Appropriate disciplinary action will be taken for violations of academic integrity, including plagiarism, cheating, any use of materials for an assignment or exam that is not permitted by the instructor, and theft or mutilation of intellectual materials or other University equipment. Faculty will assign failing grades for violations of the University's policy on academic integrity and students may immediately receive an F for a course in which they commit a violation. Violations of academic integrity are kept on file; second violations will bring additional sanctions, up to dismissal from the University. For any disciplinary action, the University affords the student the right of due process in an appeals procedure. All matriculated students will be provided with a full description of the University's standards for academic integrity, consequences for violations, and the appeals procedure.

**Mutual Responsibilities of Faculty and Students**

Sacred Heart University faculty have an ethical and professional obligation to take the following steps
to promote academic integrity among students:

1. Refer in course syllabi to the University's policy on academic integrity.
2. Clearly explicate in course syllabi behaviors and actions that constitute academic dishonesty, especially those that may be specific to the assignments of the course.
3. Clearly explicate in course syllabi consequences for violations of academic integrity.
4. Reinforce these expectations and consequences periodically during the semester, such as when giving information for assignments.
5. Model and, where appropriate, teach students those scholarly practices that embody academic integrity.
6. Abide by this policy on academic integrity, including its reporting requirements.

Sacred Heart University students have the ethical obligation to take these steps to promote academic integrity among their peers:

1. Act with integrity in all their coursework.
2. Abide by this policy on academic integrity and any policies established by their professors and the department in which they are majoring.
3. Refuse to share materials with peers for the purpose of cheating, or that they believe will be used for cheating.
4. Take care with their own papers, tests, computer files, etc., lest these be stolen or appropriated by others.
5. Notify the professor of a course if they become aware that any form of cheating or plagiarism has occurred. Such notification is not dishonorable but maintains an academic environment in which all students are evaluated fairly for their work; it may also protect a student from a charge of dishonesty (if, for instance, the student's work was appropriated by another).

Violations of Academic Integrity

Academic integrity can flourish only when members of the University voluntarily govern their personal behavior by high ethical standards. However, it is also crucial for the University to define the boundaries of ethical behavior and to prohibit attacks on the principles of academic integrity. Policies that govern faculty members' ethical responsibilities are treated in the Faculty Handbook. Students' ethical responsibilities are governed by the policy stated here. Departments and programs at the University may supplement this policy with additional guidelines and faculty members may specify additional guidelines in the syllabi for their classes. Students must adhere to such guidelines as well as to University-wide policy.

All Sacred Heart University students in all degree programs, are prohibited from engaging in any of the following types of behavior.

Cheating

Forms of cheating include, but are not limited to:

1. Having unpermitted notes during any exam or quiz. Only materials that a professor explicitly instructs students they may use during an examination are permitted.
2. Copying from other students during any exam or quiz.
3. Having unpermitted prior knowledge of any exam or quiz.
4. Copying or rewriting any homework or lab assignment from another student, or borrowing information for such assignments with the intention of presenting that work as one's own.
5. Using unpermitted materials or taking information from other students for a take-home exam. A take-home exam is an exam; therefore, it requires independent work. Students should follow the procedures given by the professor.
Note: These standards require independent work by a student, except for those contexts where professors have specified forms of permitted collaboration with other students. If no form of collaboration has been specified, students must assume that none is permitted. Because assignments that involve group-based work can cause students to question what forms of collaboration are proper, they should seek guidance from their professors in all cases of doubt. Professors should make clear to students what forms of collaboration are permissible and impermissible. The standards on cheating do not prohibit students from studying together or from tutoring each other.

Plagiarism

Plagiarism is any act of misrepresenting the sources of one's information and ideas. When writing essays, it is the act of presenting another person's written words or ideas as one's own. When reporting experimental work, it includes the acts of falsifying data and presenting another's data as one's own. In speeches, it involves quoting passages of others' speeches or written words without mention of the author. Plagiarism is also possible in art and music, if one makes use of a work of art or music in a way that violates the standards of attribution in those fields. Plagiarism may be willful, as when a student knowingly copies a source without attribution, or negligent, as when a student fails to cite sources properly. Both willful and negligent instances of plagiarism are subject to penalty—in part because professors must judge the result of a student's work, not his or her intentions, and in part because students are expected to know and follow the standards for proper citation of sources.

Forms of plagiarism therefore include, but are not limited to:

1. Copying whole papers or passages from another student or from any source.
2. Allowing another student to copy or submit one's work.
3. Buying or obtaining a paper from any source, including term-paper sellers and Internet sources, and submitting that paper or passages of it as one's own work.
4. Pasting a passage from the Internet or any computer source into one's paper without quoting and attributing the passage.
5. Fabricating or falsifying a bibliography.
6. Falsifying one's results in scientific experiments, whether through fabrication or copying them from another source.
7. Appropriating another person's computer programming work for submission as an assignment.
8. When creating a web page, film or musical composition as a course assignment, failing to attribute material that comes from other media or failing to obtain proper permission for the use of such material.
9. Any other appropriation of another's intellectual property without proper attribution.
10. Submitting an assignment that one wrote during a previous semester or submitting the same assignment for more than one class simultaneously. This action includes reusing substantial portions of previously written work for a current assignment. (Students who are unsure of what work of their own they may use in preparing an assignment should consult their professors.) Assignments must be written the semester in which they are assigned unless a professor approves of the use of previously written material with specific guidelines. Assignments may be submitted for credit in a single course only unless professors in multiple courses are informed of and approve of the multiple submissions.

Note: Improper citation of sources occurs when a
student presents all the sources he or she used in preparing a paper but fails to attribute quotations and information from those sources in the body of the paper. Specific examples include:

1. Failure to use quotation marks for direct quotes or for an author's distinctive phrases. (A rule of thumb to follow is that five or more words in succession from a source must be enclosed in quotation marks.)
2. Following an author's structure of writing and ideas, but rephrasing the sentences partially to give the impression that the whole passage reflects the student's structure and ideas.
3. Failure to give page numbers for quotations or for other information that did not originate with the student.

Such acts fall under the rubric of plagiarism. Because they sometimes do not involve willful misrepresentation, professors may have more lenient policies in dealing with them. Yet students should strive to cite all information properly and should note that professors have the discretion to treat these cases as seriously as the forms of plagiarism listed above.

Other Violations

Other forms of unethical behavior that disrupt the processes of learning, teaching and research include:

1. Providing to other students exams or papers of one's own or from any source with the reasonable expectation that these will be used for the purpose of cheating or plagiarism.
2. Maintaining a file of exams or papers with the reasonable expectation that these will be used for the purpose of cheating or plagiarism.
3. Theft and defacement of library materials.
4. Theft of other students' notes, papers, homework and textbooks.
5. Posting another person's work on the Internet without that person's permission.

Course-Based Sanctions for Violations of Academic Integrity

When a faculty member encounters a suspected case of academic dishonesty, he or she should address the matter with the student, after collecting whatever evidence may be available and relevant. The faculty member has the right to ask the student to provide evidence about sources used or other reasonable requests to establish the work the student did.

If the faculty member discovers that the student did act dishonestly, he or she will assign a penalty of a failing grade for the assignment; he or she may immediately assign the student a grade of F for the course. Cases of improper citation are a matter of faculty discretion.

Faculty will report in writing the incident of academic dishonesty and the sanction imposed to the faculty's chairperson or program director, dean of the college in which the course was taken, and dean of the student's college. The faculty member will provide all parties with appropriate documentation of the incident. The dean of the student's college will inform the student in writing of the accusation, instructor's course-based sanction, and appeals process available to the student.

Appeals of Course-Based Penalties

When a student fails a course or receives a reduced course grade based on an accusation of dishonesty, the student may appeal the grade on presentation of a written statement demonstrating that he or she did not violate the present policy. The student should present supporting documentation. A documented appeal associated with a grade must be presented in writing within six months after the original grade was issued.

The procedure for a documented appeal is:

1. The student will initially have presented his or her explanation to the faculty member when the faculty member first consulted the student
about the work in question. The student who claims he or she did not act dishonestly should ordinarily attempt a resolution with the faculty member.

2. If, after the first step, the faculty member imposes a sanction because he or she finds the student acted in violation of the policy, the student may present the case in writing with supporting evidence to the department chairperson or program director of the faculty member involved. The chairperson/program director will consult with the faculty member in an attempt to resolve the matter. If the chairperson/program director is unable to resolve the matter, he or she will inform the student in writing. If the student wishes to pursue the matter further, the student may appeal in writing to the dean of the college in which the course was taken.

3. If the dean of the college in which the course was taken or the dean's designee finds that the appeal has merit, he or she will convene an appeal committee. This committee will consist of three faculty members: one selected by the student, one selected by the faculty member who taught the course, and one selected by the dean. After reviewing all documented evidence, the appeal committee will then propose a solution that the grade either stands or should be reviewed by the faculty member. This concludes the process.

Consequences for Second Violation of Academic Integrity

The deans will maintain central files on all reported cases of student academic dishonesty in their colleges. Should a student transfer his or her major to another college, the dean will transfer files pertaining to that student to the dean of the other college.

When the dean of any college receives confirmed notice of a second violation by a student in that college, the dean will refer the matter to a standing faculty committee on academic integrity. This committee will consist of one faculty member each from the Colleges of Arts and Sciences, Business, and Education and Health Professions. The committee will also include the Dean of Students as a non-voting member. Faculty members of the committee will be appointed for two-year terms by a vote of the Faculty Senate. The purpose of this committee is to recommend additional sanctions to be taken against the student, including exclusion from the University for one or two semesters or dismissal from the University.

The committee will have available to it the documentation of the student's previous violation of academic integrity; however, the committee is not to reconsider the student's guilt or innocence in those incidents. The committee will hear from the student's advisor and the chair or program director of the student's major department(s). The student will have an opportunity to address the committee if he or she wishes. The student may be accompanied by an advocate who is a current employee of the University who may not act as the student's legal counsel.

The committee will make a recommendation of sanction to the dean of the student's college, who will in turn make a recommendation to the Vice President for Academic Affairs. The decision of the Vice President for Academic Affairs will be final.

Violations and Appeals of Violations Outside of a Course

When a student is suspected of having violated academic integrity by an action that did not occur in the context of a course (see section above, Other Violations), the student, faculty, staff or administrator who suspects the violation and has plausible evidence should present this information to the Dean of Students. The Dean of Students will decide how to pursue the matter, and the student will have the right to appeal any consequences according to the Student Handbook.
Academic Honors
Academic honors include the Dean's List and Graduation Honors.

Dean's List
The Dean's List is calculated on a semester basis. A full-time student completing 12 or more credits who earns a GPA of 3.4 or better is eligible for the Dean's List.

A part-time student who completes nine or more credits with a 3.4 GPA or better, or six to eight credits with a 3.75 GPA or better, is eligible for the Dean's List. Students who complete fewer than six credits are not eligible for the Dean's List.

Graduation Honors
Upon graduation, students who complete the undergraduate program of study with the following cumulative GPAs are eligible for these honors:

- Summa Cum Laude: 3.8 or better
- Magna Cum Laude: 3.6 to 3.79
- Cum Laude: 3.5 to 3.59

Transfer students must complete at least 60 credits for a bachelor's degree or 30 credits for an associate's degree in residence at Sacred Heart University to be eligible to graduate with honors.

Academic Year
The academic year consists of two, 14-week semesters. Courses are offered during the day, evenings and on weekends. In addition to this traditional schedule, courses are offered throughout the year in varying course formats, such as in accelerated course modules, intensive courses and through online learning. Sacred Heart University uses the semester credit system of awarding credits. Lecture time for one semester credit is generally 50 minutes per week. For a laboratory course, a longer period of laboratory work is required for a semester credit.

Auditors
A student wishing to audit courses must register for the courses as an "auditor." No credit is granted for an audited course. The University can restrict auditors from certain courses. No student will be permitted to change from credit to audit or audit to credit after the Add/Drop period.

Changes of Curriculum and Continuous Enrollment
A degree candidate has the right to graduate under the requirements that existed at the time of his or her matriculation as long as continuous enrollment has been maintained. Continuous enrollment means that a student does not allow a 12-month period to pass without taking at least one course at the University.

Class Attendance
Regular class attendance is the responsibility of each student. Instructors are permitted to base a portion of the final grade on attendance. All work missed because of absence from a class must be completed by the student. Excessive absence could result in failure of the course.

Full-Time Overloads
The normal credit load for full-time students is 12 to 17 credits. Any student wishing to take more than 17 credits must make this request to the University Registrar with written permission from the student's academic advisor. Additional tuition is charged for overloads over 18 credits.

Pass/Fail Option
A student may choose a course with a pass/fail option. The University's pass/fail policy carries these conditions:

1. Students are permitted to designate for the pass/fail option up to four courses toward the baccalaureate degree, and up to two courses toward the associate's degree. Once the course is completed with a grade of pass (P), it cannot be repeated for a letter grade.
2. The pass/fail option must be chosen during registration and cannot be changed after the end of the Add/Drop period for that semester.

3. Courses can be taken under pass/fail only from general elective courses.

4. Area B, major (including required supporting courses), minor, Education or BA/BS required courses cannot be taken under the pass/fail option. Exceptions for major, minor or Education courses can be granted by the major, minor or Education Department chairperson.

5. Courses taken under the pass/fail option will not count in the student’s GPA.

**Matriculation**

A student with 18 or more credits and whose anticipated degree reflects developmental study or special student status is required to apply for matriculation. Matriculation is an agreement with the University to a particular set of degree requirements. To apply for matriculation, full-time students should contact the Undergraduate Admissions Office at 203-371-7880. Part-time students should contact University College at 203-371-7830.

**Placement Tests**

All students registering for E011, E012, E051, E052, or EN011 and/or MA006, MA101, MA105, MA109, MA131, MA140 or MA151 must take a placement exam or have completed the appropriate prerequisite courses. Students will be placed in the appropriate course by the results of the placement exam.

Placement exams must be taken prior to registration. Once placement has been determined, students are obliged to accept their placement and course sequence. Additional testing is required for ESL (English as a Second Language) placement.

Students should register for the English Placement Exam by calling the Office of the Academic Incentive Program at 203-371-7812, and for the Math Placement Exam by calling the Mathematics Office at 203-371-7770.

Placement exam dates are published in the course schedule bulletins each semester.

**Academic Procedures**

**Registration**

During regularly scheduled registration periods, the student is required to select courses with help from an academic advisor and to select one of the several payment plans available. The registration schedule, course offerings and registration forms are available from the Registrar’s Office Monday through Thursday: 8:30 AM to 8 PM; Fridays, 8:30 AM to 4 PM; and on the Registrar’s web page, http://www.sacredheart.edu/register

New students interested in full-time study must apply to the Office of Undergraduate Admissions for matriculation prior to registration. For an appointment, contact the Office of Undergraduate Admissions at 203-371-7880.

New part-time students should contact University College prior to registration for academic advising and application to the University by calling 203-371-7830.

**Registration Conditions**

The University reserves the right to make changes at any time in admission requirements, fees, charges, tuition, regulations and academic programs, if deemed necessary, prior to the start of any class.

The University also reserves the right to divide, cancel, reschedule classes or reassign instructors if enrollment or other factors require. If course cancellations occur, students will be notified in order to adjust their schedules.

**Course Changes—Add/Drop**

A student may change his or her course selection only within the first week of the semester. A nomi-
nal charge for changes is assessed. The procedure for program changes is available at the time of registration each term from the Registrar’s Office. The procedure must be followed in order to ensure course registration and the proper calculation of tuition and issuance of refunds as listed in the Expenses and Student Financial Assistance chapter of this catalog.

Course Withdrawal
If withdrawal from a class or the University becomes necessary, the student should obtain an official withdrawal form from the Registrar’s Office. Official withdrawal is necessary to assure proper grade entry on the transcript and the issuance of any refunds. Course withdrawals are permitted within the first five weeks of a semester without penalty (W grade). After that, withdrawal without penalty (W grade) or with penalty (WF grade) can be given at the discretion of the instructor. A student’s failure to withdraw properly will result in a withdrawal failure (WF grade). Phone withdrawals are not accepted. Students who withdraw unofficially are still responsible for all tuition and fees.

Application for Graduation
In order to receive a degree, a student must complete all requirements for that degree as listed in this catalog and in the official registration guide distributed by the Registrar’s Office. A student eligible for a degree must apply for graduation to the Office of the University Registrar at least two semesters before completing the degree. Failure to comply will result in a delay of receiving the degree by a semester.

The Commencement Convocation is held once a year in May.

Students will be billed a graduation fee upon submitting the application for graduation. The graduation application fee is not refundable. In the event the student does not complete the requirements for the degree within one year of the originally indicated date; a new application including a new application fee will be required.

Students completing a credit certificate must submit an application for the certificate at least one semester in advance of completing the requirements. Failure to comply may result in a delay of receiving the certificate by a semester. There is no fee for the application for credit certificate at this time.

Enrolling in Courses at Other Institutions
All matriculated students are expected to take the remaining courses for their degree at Sacred Heart University. Under special circumstances, a student may appeal to take the course(s) at another institution. The following guidelines will be used to determine approval for taking courses at other institutions:

- The courses are required in the course sequence at this time for the degree as indicated by the student’s academic advisor.
- The other institution’s courses must be equivalent to the required Sacred Heart University courses in the major, as determined by the department chairperson.
- The last 30 credits required for graduation must normally be taken at Sacred Heart University.
- The last 60 credits toward the degree must be taken at a four-year institution.
- A maximum of 6 credits will be permitted at another institution in any one semester.
- Commuting students residing in the immediate area must take their courses at Sacred Heart University.
- Students financially unable to attend Sacred Heart University who need the courses in their programs of study must obtain written verification of their financial need from the Director of Student Financial Assistance.
Final approval must be given by the student's academic advisor and the University Registrar. Credit will not be awarded without prior approval.

Substitutions and Waivers
In order to maintain academic quality and integrity, no student will be granted a substitution for a course or credits, unless it is in accordance with the University's policy. A substitution may be granted at the discretion of the department chair/program director for any course in the respective discipline.

If the basis for the requested substitution is a learning or physical disability, the student must submit verification of the disability to the Director of Special Services prior to the request for the substitution. If the Director of Special Services concludes that the documentation is deficient or inconclusive, the director may require further documentation to establish the disability. The cost of the documentation shall be borne by the student. Once the student's documentation has been accepted by the Director of Special Services, the student may forward his or her request to the appropriate department chair/program director for determination of substitution, if appropriate.

Based on the appropriate documentation, a student is granted permission to fulfill a specific course requirement with a course having many of the components of the original.

Requests for a substitution not stemming from a disability may be forwarded directly to the appropriate department chair/program director. Only upon approval from the department chair/program director may the request be forwarded to the Registrar’s Office.

All waivers and substitutions must meet the requirements of any academic program accredited and/or licensed by an outside accrediting body or governmental agency.

Proficiency Waivers
The University core provides for proficiency waivers in the following areas: English Composition, Mathematics, Modern Foreign Languages and Speech. For waivers in English Composition, Modern Foreign Languages and Speech, contact the chairperson of the Department of Languages, Literature and Media Studies. For waivers in Mathematics, contact the chairperson of the Department of Mathematics. Proficiency waivers exempt the student from taking the course(s). No credits are awarded for waived courses. A student who is proficient in one of the above-listed areas should consider advanced-standing credits through one of the advanced placement tests (CLEP, DANTES, Regents). For further information, contact University College, which administers these tests.

Transcripts
The transcript is the student's official academic record. Official transcripts are sent at the written request of the student to other universities, graduate schools or prospective employers. The student's written consent must be received before a transcript will be released. The student can complete a Transcript Request form available in the Registrar's Office, or send a written request. A fee is charged for each transcript requested. Transcripts will be withheld if the student has a financial obligation to the University. Allow two weeks for processing a transcript request.

University Cross-Registration Program
Full-time students may take courses at Fairfield University and the University of Bridgeport as part of their regular full-time course load, provided the courses are not offered that semester at Sacred Heart University. See the Office of the Registrar for details.
College of
Arts and Sciences
COLLEGE OF ARTS AND SCIENCES
Claire J. Paolini, Ph.D.
Dean and Professor of Modern Languages

The College of Arts and Sciences is the largest of the four colleges at Sacred Heart University and is its most diverse. The College offers the Bachelor of Arts and the Bachelor of Science degrees; the Associate in Arts and the Associate in Science degrees; master's degrees in Chemistry, Computer Science and Religious Studies; and a large variety of minors. Degrees are offered through the following academic departments: Art and Music; Biology; Chemistry; Computer Science; History and Political Science; Languages, Literature and Media Studies; Mathematics; Philosophy and Religious Studies; Psychology; Sociology, Social Work and Criminal Justice; and Special Programs.

The mission of the College of Arts and Sciences is to provide students at Sacred Heart University with a sound liberal arts education rooted in Catholic ideals. The College offers instruction in a wide variety of academic disciplines. It also seeks to ensure that all undergraduate students at the University acquire a balanced education characterized by the following: clarity in oral and written expression; the ability to think critically, to make judgments based on careful evaluation and to make ethical and moral decisions; the capacity for aesthetic appreciation; the ability to appreciate an accumulated knowledge of the past; and the responsibility to relate with justice and charity to all persons.

To further the above mission, the College strives to provide a learning environment that fosters the growth, development and nurturing of the entire individual.

Anthropology
Anthropology is the study of human culture, behavior and biology from a holistic, global and comparative perspective. As a field of study it examines the similarities, differences and development of human culture, behavior and biology. The Anthropology curriculum emphasizes the subfield of cultural anthropology. Cultural anthropology focuses on the concept of culture, role of culture in contemporary problems and issues, and on the wide range of human cultural patterns in the contemporary world. Applied anthropology is con-

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## Course Descriptions

### AN 102 Cultural Anthropology 3 CR

The goal of this course is for students to develop an anthropological imagination and understand its relevance for living in the contemporary world. An anthropological imagination involves an interest in and an understanding of the unity, diversity, and development of human biology, society, and culture. As an introduction to cultural anthropology, this course emphasizes the concept of culture and focuses on socio-cultural variation and patterns of socio-culture change in contemporary human societies. This course introduces students to the aims, methods, issues, and insights of cultural anthropology.

### AN 201 World Cultures 3 CR

Examines a cross section of societies, including...
hunter-gatherer, horticultural, peasant, pastoral and industrial. Themes of cultural diversity, cultural contact and understanding "the other."

†AN 205 North American Indians 3 CR
Covers the cultural development and diversity of aboriginal North America, the impact of European contact on Native American societies and contemporary issues among North American Indians.

†AN 240 Urbanism and Urban Development in World Perspective 3 CR
Focuses on the origins and growth of cities, the nature of urban society and culture and trends in urbanization in the developed and developing areas of the world. Prerequisite: AN 102 or SO 101

†AN 280 Native American Literature 3 CR
Native American literature is explored in order to develop an understanding of the history, society and culture of Native Americans, and an appreciation of their literary contributions.

AN 299 Special Topics in Anthropology 3 CR
Designates new or occasional courses (i.e., one capitalizing on a timely topic). Prerequisites: Established by the department as appropriate for the specific course.

Art and Design
The Sacred Heart University Art program serves the University’s mission to challenge its students to think visually, observe critically, develop analytical skills and problem-solving abilities, evaluate with a sense of proportion, and communicate observations in an intelligible and articulate fashion. In this program, students learn to develop an aesthetic visual dimension of their environment and to sharpen their abilities to imagine, create and appreciate. The Art program is designed to create visual communication skills within the students and to engage them in verbal dialogue and, thus, establish a foundation for ongoing experience, learning and enrichment in their lives ahead.

Three concentrations are offered in the Art major: Graphic Design, Illustration and Painting.

Graphic Design students study three-dimensional design, typography/layout and computer graphics and learn to select the best method of visual solutions to specific problems. Exploration of career markets includes corporate identity, signage, promotional materials, point-of-sale items and editorial design.

The Illustration concentration includes courses in painting, drawing and computer rendering to provide a foundation for a variety of challenges faced in the profession. Students are trained in all facets of illustration, including book production, periodical publishing, preparation of educational aids, advertising and television.

The Painting concentration emphasizes development of painting and drawing skills. Traditional and experimental methods are explored, as are the student's initiative, imagination and capacity for self-criticism.

Faculty
Stefan Buda, BA, Instructor
John S. deGraffenried, MFA, Assistant Professor
Ted Gutswa, MFA, Associate Professor
Jonathan Walker, MFS, Visiting Assistant Professor

Art Studios
Facilities include painting, design, drawing and illustration studios. Major equipment provided includes Macintosh computers, color and black-and-white scanners, color and black-and-white laser printers, light tables and artograph projectors.

Major in Art and Design
The major in Art and Design requires the completion of 51 credits for a concentration in Graphic Design, Illustration and Painting. All Art majors
complete 24 credits in foundation courses plus 27 credits in their areas of concentration.

Required Courses for All Art and Design Concentrations
AR 101 Art in the Western World
AR 110 Design: Visual Organization
AR 111 Design: Color
AR 120 Drawing I
AR 201 Studies in Modern Art
AR 214 Computer Design Basics
AR 220 Drawing II
AR 224 Multimedia

Additional Required Courses for Graphic Design Concentration
AR 112 Three-Dimensional Design
AR 130 Painting I
or
AR 131 Watercolor
AR 160 Illustration I
AR 211 Graphic Design I
AR 270 Graphic Design II
AR 271 Graphic Design III
AR 370 Graphic Design IV
Graphic Design or Computer Graphic elective
AR 390 Graphic Design Portfolio

Required Courses for Illustration Concentration
AR 160 Illustration I
AR 221 Drawing III
AR 223 Three-Dimensional Drawing
AR 260 Illustration II
AR 261 Illustration III
AR 360 Illustration IV
AR 392 Illustration Portfolio

Required Courses for Painting Minor Concentration
AR 130 Painting I
AR 221 Drawing III
AR 223 Three-Dimensional Drawing
AR 260 Illustration II
AR 261 Illustration III
AR 360 Illustration IV
AR 392 Illustration Portfolio

Minor in Art and Design
The minor in Art and Design requires the completion of 18 credits, which may be taken in one of three areas of concentration.

Required Courses for Graphic Design Minor Concentration
AR 110 Design: Visual Organization
AR 111 Design: Color
AR 120 Drawing I
AR 211 Graphic Design I
AR 214 Computer Design Basics

Required Courses for Illustration Minor Concentration
AR 110 Design: Visual Organization
AR 111 Design: Color
AR 120 Drawing I
AR 160 Illustration I
AR 220 Drawing II
AR 260 Illustration II

Required Courses for Painting Minor Concentration
AR 110 Design: Visual Organization
AR 111 Design: Color
AR 120 Drawing I
AR 130 Painting I
AR 220 Drawing II
One course in Art History

Associate in Arts General Studies
Emphasis Requirements (15 credits)
AR 101 Art in the Western World
Four Art electives
Course Descriptions

AR 101 Art in the Western World 3 CR
Explores ideas and arts of cultures that initiate and develop into the Western tradition. Includes an analysis of the basic characteristics of the art and architecture of these eras in the context of general cultural trends.

AR 104 American Art: Colonial to Modern 3 CR
Covers the ideas and ideals in American art in reference to the European mainstream. Emphasis is on styles and forms of the American environment and experience that constitute the characteristic tradition in painting, sculpture and architecture.

AR 110 Design: Visual Organization 3 CR
Investigates the compositional elements of art structure. Principles and elements of two-dimensional design line, shape, value, texture and space are examined, with emphasis on the visual communication of ideas.

AR 111 Design: Color 3 CR
Design principles are explored through the investigation of color interaction and color theory. Emphasis is on pigment mixing and the control of intervals of value, chroma and intensity. Prerequisite: AR 110

AR 112 Three-Dimensional Design 3 CR
Explores ideas dealing with mass, volume and planes in space using various materials. Prerequisite: AR 110

AR 120 Drawing I 3 CR
Explores fundamental problems of composition and perception, as related to drawing. Experimentation is with varied media directed toward both the descriptive and expressive visual conceptualization of ideas.

AR 130 Painting I 3 CR
An introduction to painting methods and media. Guided experimentation in oil or acrylic with emphasis on content, color interaction and properties of the media. Prerequisites: AR 111 and AR 120

AR 131 Watercolor 3 CR
An introduction to varied techniques of paint application. Assignments are based on direct studies of nature, still life and conceptual thinking. Prerequisites: AR 111 and AR 120

AR 160 Illustration I 3 CR
Introduction to fundamental techniques used in professional illustration. Secondary emphasis on business aspects as they pertain to the field of commercial art. Prerequisite: AR 220

AR 161 Animation, Comic and Fantasy Art I 3 CR
The academic study of the human body in motion, with an emphasis on dynamic positions that are the common denominators in animation, comic or fantasy art. Prerequisite: AR 220

AR 162 Animation, Comic and Fantasy Art II 3 CR
Emphasis on each student's given area of professional interest, such as animation cells, comic storytelling, or fantasy book cover art. Prerequisites: AR 161 and AR 221

AR 201 Studies in Modern Art 3 CR
An analysis of the works and questions raised by the arts of the 19th and 20th centuries. Examines the roles of modern artists as they reflect and project or comment on life in the 20th century.

AR 204 Renaissance Art 3 CR
A critical discussion of the historical, conceptual and formal changes in the visual arts within the 15th and 16th centuries. Includes an analysis of the influence of Italian and northern European painting on European cultures.

AR 205 European Art: 17th-19th Century 3 CR
Discussion of the major developments in painting, sculpture and architecture during the 17th and...
18th centuries as modified by the historical situations and humanistic values in specific countries.

†AR 206 Contemporary Art 3 CR
Examines art currently in galleries and museums. Surveys the development of new approaches to form and analyzes the formal idea as related to execution and content. **Prerequisite:** AR 201

†AR 208 Introduction to Eastern Art 3 CR
Explores issues such as continuity and dichotomy of subject and style and other significant issues of Eastern art. Eastern attitudes are compared and contrasted with the art and ideas of parallel Western periods.

AR 211 Graphic Design I 3 CR
An introduction to classical and modem typefaces, the mechanics of type composition and the fundamentals of layout. Consideration is given to the selection of typefaces that enhance thought and idea. **Prerequisite:** AR 214

AR 214 Computer Design Basics 3 CR
An introduction and exploration of the three primary graphic design programs: Adobe Photoshop, Adobe Illustrator and QuarkXpress. Only the most basic design concepts are explored in assignments, ensuring a basic understanding of the technological tools of design. **Prerequisite:** AR 110

AR 220 Drawing II 3 CR
Development of the student's ability to conceive the figure as form and volume with stress on gesture, proportion and anatomy. Emphasis is on a refinement of techniques for individual expression and self-awareness. **Prerequisite:** AR 120

AR 221 Drawing III 3 CR
An intensive investigation of media and form as related to the figure. Problems progress from structural ideas to more sophisticated exploitation of subject matter and finally to individual interpretations. **Prerequisite:** AR 220

AR 223 Three-Dimensional Drawing 3 CR
Deals with the rendering of three-dimensional space and forms. Visual processes relating to depth of field, objects in deep space, volumemodeling and conceptualizing are explored. **Prerequisites:** AR 110 and AR 120

AR 224 Multimedia 3 CR
An introduction to multimedia as it applies to presentation methods and as an interactive/animation tool. Students explore this media through presentation and animation projects. **Prerequisite:** AR 214

AR 230 Painting II 3 CR
Development of painting techniques with emphasis on pictorial organization and color sensitivity. Focus on the development of creativity and individuality. **Prerequisite:** AR 130

AR 231 Painting III 3 CR
Development of individual expression through exploration of independent compositional ideas and technical means related to content. Critiques and evaluations are constant. **Prerequisite:** AR 230

AR 260 Illustration II 3 CR
Emphasis on the technical study of color pencils and watercolor. Compositional problem-solving required for works of substance and complexity. **Prerequisite:** AR 160

AR 261 Illustration III 3 CR
Emphasis on the technical use of the airbrush. Students are encouraged to create works of substance and complexity in regard to composition and thematic content. **Prerequisite:** AR 260

AR 262 Head Painting and Drawing 3 CR
Covers structural painting and drawing of the head and its character. Emphasis on historical and traditional methods of representation using various media and techniques. **Prerequisite:** AR 220

AR 264 Advertising Illustration 3 CR
Deals with imparting visual impact and excitement for the selling of products and services. Developing illustrations for advertising with consideration of reproduction requirements. Problems deal with line, black-and-white, limited
AR 261

AR 270 Graphic Design II 3 CR
Includes development of ideas as related to print media, package design, publication design and corporate identity systems. Emphasis on the ability to create effective problem-solving concepts. Prerequisites: AR 211 and AR 214

AR 271 Graphic Design III 3 CR
Focuses on solving specific design problems by establishing ideas from rough layout to tight comps and coordinating the elements to create effective visual statements. Prerequisite: AR 270

AR 272 Advertising Design 3 CR
Explores aspects of print advertising, including its creation and presentation. Stresses concepts as related to advertising promotion. Prerequisites: AR 211 and AR 214

AR 274 Computer Graphic Design 3 CR
Explores complex design software programs with primary focus on the application of computer design in the preparation of print material. Prerequisites: AR 214 and AR 270

AR 275 Web Page Design 3 CR
The development of fundamental skills for creating web sites, with particular emphasis on the effective organization and visual presentation of information. Students analyze existing sites as well as create one of their own. Includes an introduction to HTML language and standard web design programs. Prerequisites: AR 214 and AR 270

AR 299 Special Topics in Art 3 CR
New or occasional courses that may become part of the department's permanent offerings. Courses capitalize on timely topics, an instructor's particular interest or alternatives to existing courses. Prerequisite: Established by department

AR 320 Drawing IV 3 CR
Focuses on advanced problems of perception, structure, anatomy and concepts in drawing the human figure. Emphasis on independent development of the expressive use of various drawing media. Prerequisite: AR 221

AR 330 Painting IV 3 CR
Studio emphasis on development and clarification of personal and imaginative statements. Initiative and discipline toward the production of a sustained body of consistent work is expected. Prerequisite: AR 231

AR 360 Illustration IV 3 CR
Focuses on illustrative oil painting. As the semester progresses, greater emphasis is placed upon content and imaginative solutions. Prerequisite: AR 261

AR 363 Editorial Illustration 3 CR
A study of illustration with short story and editorial views. Preparation of idea sketches in relation to the text, page layout and finished illustrations. Prerequisite: AR 260

AR 370 Graphic Design IV 3 CR
An in-depth investigation of realistic promotional programs ranging from concept to finished visual. Emphasis on individual creative solutions relative to product and idea, budget and client. Prerequisites: AR 112 and AR 271

AR 390 Graphic Design Portfolio 3 CR
Development of a professional portfolio, resume and promotional materials. Guidance from faculty and visiting professionals. Prerequisites: All required art courses in major emphasis

AR 391 Senior Project 3 CR
Encompasses problem-solving and techniques indicative of the ability to work as a mature and independent artist. Includes preparation and organization of a solo exhibition. Prerequisites: All required art courses in major emphasis

AR 392 Illustration Portfolio 3 CR
Development of a professionally geared portfolio,
resume and promotional materials. Additional focus on business-related information, such as taxes, expenses and contracts. Prerequisites: All required art courses in major emphasis

**Biology**

The Biology Department's curriculum is designed to reflect the complexity and diversity of the living world. Graduates will be conversant in the cellular and molecular basis of life, the design and functioning of individual organisms and the ecological interactions of organisms. They will respect the primacy of evidence and appreciate its role in the historical development and advancement of a discipline. Graduates will be able to analyze evidence in a critical fashion through exposure to data analysis in literature and in laboratory course work. Finally, graduates will be cognizant of the possible social impact of biological progress and will be prepared to wrestle with the difficult ethical conflicts resulting from such advancement.

**Faculty**

Kirk Bartholomew, Ph.D., *Visiting Assistant Professor*
Shannon E. Brightman, Ph.D., *Associate Professor*
Suzanne M. Deschênes, Ph.D., *Assistant Professor*
William T. Gnewuch, Ph.D., *Associate Professor*
Mark Jareb, Ph.D., *Assistant Professor*
Jennifer H. Mattei, Ph.D., *Associate Professor*
Carol D. Schofield, Ph.D., *Associate Professor*
Jacques P. Veilleux, Ph.D., *Assistant Professor*

**Biology Laboratories**

The University has four biology laboratories: a general biology laboratory, an anatomy and physiology/systems physiology laboratory, a cellular/molecular laboratory and an ecology/organismal laboratory. It also has two instrumental research laboratories (cell/molecular biology and neurobiology) and a climate-controlled greenhouse. Modern equipment is available for such techniques as electrophoresis, spectrophotometry, high-speed centrifugation, recombinant DNA, multitemperature incubation, oscillography, histological preparation, cell culture, microinjection/manipulation, digital data and image acquisition, fluorescence microscopy, animal and plant physiology experiments and aquatic and terrestrial environmental studies.

**Major in Biology**

The major requirements listed below will be implemented as of the graduating class of 2006 (entering FA 2002). As of this class, the major in Biology will require the completion of 40-42 biology credits and 27 supporting credits, many of which also meet Area A, Area B and BS requirements. Biology majors in earlier graduation classes (through the graduating class of 2005) are encouraged but not required to take BI 225 Evolutionary Analysis.

**Required Courses**

BI 111, 112 Concepts in Biology I and II
BI 113, 114 Concepts in Biology I and II Laboratory
BI 220 Genetics
BI 225 Evolutionary Analysis
BI 311 Cell Biochemistry
BI 312 Systems Physiology
BI 350 Ecology
BI 399 Senior Seminar

**Module Electives**

Students must elect at least one course from each module. Where a course appears in more than one module, its selection can satisfy only one of those modules.

**Environmental Biology Module**

BI 210 Plant Morphology and Function
BI 240 Invertebrate Biology
BI 245 Vertebrate Biology
BI 255 Animal Behavior
BI 260 Marine Biology

Organismal Biology Module
BI 210 Plant Morphology and Function
BI 212 Animal Development
BI 230 Microbiology
BI 240 Invertebrate Biology
BI 245 Vertebrate Biology
BI 255 Animal Behavior
BI 312 Systems Physiology
BI 345 Neurobiology

Molecular Biology Module
BI 230 Microbiology
BI 311 Cell Biochemistry
BI 325 Immunology
BI 330 Virology
BI 345 Neurobiology
BI 355 Molecular Biology

Biology Electives
In addition to the three module electives, a student must elect one additional biology course from the 200 level or above. BI 132 is the only exception to this rule. Students are also encouraged to elect two to six credits in BI 390 Supervised Research or BI 360 Internship. As of the graduating class of 2006, research or internship (minimum of 3 cr) will count toward the requirement for one additional upper division biology elective.

Required Supporting Courses
CH 151 General Chemistry I
CH 152 General Chemistry II
CH 153 General Chemistry Laboratory I
CH 154 General Chemistry Laboratory II
CH 221 Organic Chemistry I
CH 222 Organic Chemistry II
CH 223 Organic Chemistry Laboratory I
CH 224 Organic Chemistry Laboratory II
MA 131 Statistics for Decision Making
At least 4 credits in physics at the 100 level or above
One other mathematics course: MA 140 or above; MA 151 is recommended.

Minor in Biology
The minor in Biology requires the completion of the following 24 credits:
BI 111 Concepts in Biology I
BI 112 Concepts in Biology II
BI 113 Concepts in Biology I Laboratory
BI 114 Concepts in Biology II Laboratory
CH 151 General Chemistry I
CH 153 General Chemistry Laboratory I
Three biology courses at the 200 or 300 level in consultation with a Biology advisor

Associate in Arts General Studies Emphasis Requirements (24 credits)
BI 111 Concepts in Biology I
BI 112 Concepts in Biology II
BI 113 Concepts in Biology I Laboratory
BI 114 Concepts in Biology II Laboratory
CH 151 General Chemistry I
CH 153 General Chemistry Laboratory I
Three biology electives at the 200 or 300 level chosen in consultation with a Biology advisor

Course Descriptions
†BI 010 The Nature of Life 4 CR
Examines molecular and cellular nature of life, energy systems in plants and animals, origin of life, basic evolutionary strategies and ecological principles. Three hours of lecture and two hours of experiment and discussion per week. Non-science majors.

†BI 020 Heredity and Society 3 CR
A genetics course examining the evidence for proposing the existence of genes, the molecular nature of genes and the ethical implications of recent advances in genetic research. Three hours of lecture per week. Non-science majors.

†BI 025 Connecticut Wildlife 3 CR
A laboratory and field-oriented core course. Emphasis on wildlife and habitat diversity in the
American Northeast, especially Connecticut. The central theme is adaptation. Topics include predation, migration, reproduction and species identification. Five hours per week. Nonscience majors.

†BI 026 Winter Wildlife 3 CR
A laboratory and field-oriented core course. Emphasis on winter adaptations of wildlife in the American Northeast, especially Connecticut. Topics include migration, species identification, tracking and feeding ecology. Five hours per week. Nonscience majors.

†BI 030 The Human Body 3 CR
Focuses on human physiology and the role humans play in the health and maintenance of their bodies. Topics include human organization, processing and transporting, integration and coordination and reproduction. Three hours of lecture per week. Nonscience majors.

†BI 052 Man and the Environment 4 CR
Examines the interactions of humans and their environment including population and cultural problems; use and misuse of physical, chemical and biotic resources; and the nature of proper management systems. Three hours of lecture and two hours laboratory/discussion per week. Nonscience majors.

†BI 111 Concepts in Biology I 3 CR
Discusses cell biology, energetics, genetics, origin of life and evolution. Three hours of lecture; one hour of discussion per week. Corequisite: BI 113

†BI 112 Concepts in Biology II 3 CR
Addresses organismal organization, transport, nutrition, control of the internal environment, hormonal and neural control and reproduction in plants and animals. Three hours of lecture, one hour of discussion per week. Prerequisite: BI 111; corequisite: BI 114

BI 113 Concepts in Biology I Laboratory 1 CR
Focuses on fundamental biological methods, including microscopic techniques; cell structure; biological chemistry; cellular physiology; molecular biology; cell division; and survey of the Kingdoms Monera and Fungi. One three-hour session per week. Corequisite: BI 111

BI 114 Concepts in Biology II Laboratory 1 CR
Surveys Kingdoms Plantae and Animalia. Topics include the structure, function, reproduction and development of plants and animals with emphasis on angiosperms and vertebrates. One three-hour session per week. Prerequisite: BI 113; corequisite: BI 112

BI 131 Human Anatomy and Physiology I 4 CR
Lecture and laboratory investigation of cell structure and function; tissues; and skeletal, muscle and nervous systems. Three hours of lecture, one hour of discussion and one three-hour laboratory per week. Prerequisites: BI 111 and BI 113 for Pre-Physical Therapy, Pre-Occupational Therapy and Human Movement students; no prerequisite for Nursing students

BI 132 Human Anatomy and Physiology II 4 CR
Lecture and laboratory investigation of endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory and reproductive systems. Three hours of lecture, one hour of discussion and one three-hour laboratory per week. Pre-Physical Therapy, Pre-Occupational Therapy, Nursing and Human Movement students. Prerequisite: BI 131

Note: BI 132 may not be taken for credit after completion of BI 312.

BI 161 Introduction to Microbiology 4 CR
The study of microorganisms with emphasis on morphology, cultivation; genetics of bacteria, viruses and fungi, and infectious diseases caused by these microbes. Laboratory work stresses aseptic technique and the microscopic, nutritional and biochemical characteristics of bacteria. Nursing students. Three hours of lecture and one three-hour laboratory period per week.
BI 210 Plant Morphology and Function 4 CR
The life of the plant is considered from the viewpoint of both physiology and morphology. Emphasis on the experimental investigation of the plant's response to varying environmental conditions. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 112 and BI 114

BI 212 Animal Development 4 CR
Examines cellular and molecular aspects of animal development, from gametogenesis to morphogenesis and pattern formation. Laboratory work includes investigations on fertilization, cellular differentiation, regeneration and the development of vertebrate organ systems. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 112, BI 114 and BI 220

BI 220 Genetics 4 CR
The study of inheritance with emphasis on the evidence that led to the emergence of the areas of transmission and molecular genetics. Ethical issues precipitated by genetic research are discussed. Laboratory work will demonstrate the power of Drosophila, S. cerevisiae, E. coli and other model organisms in transmission genetics, gene mapping and mutagenesis. Basic techniques in molecular biology also are introduced. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 112, BI 114 and BI 220

BI 225 Evolutionary Analysis 4 CR
Utilizing an investigative framework, students explore the relevance of evolution to real-life problems, and understand that both evolution and natural selection are observable processes. Mechanisms of evolutionary change, and the history of life on earth will also be explored. Three hours of lecture and one three-hour laboratory period per week. Prerequisite: MA 131, BI 112/114

BI 230 Microbiology 4 CR
Addresses microbial morphology, physiology, genetics and ecology. Emphasis on ethical concerns surrounding the study and treatment of infectious diseases. Laboratory work focuses on identification of bacteria. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 111, BI 113, CH 151 and CH 153 (Chemistry courses may be taken concurrently)

BI 240 Invertebrate Biology 4 CR
Investigation of the major invertebrate phyla including a consideration of phylogenetic relationships and morphological adaptations related to the ecology or level of organization of each phylum. Laboratory and field work. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 112 and BI 114

BI 245 Vertebrate Biology 4 CR
Examines the evolution and ecology of the vertebrates including taxonomy, life history anatomy and physiology of extant and extinct vertebrates. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 112 and BI 114

BI 255 Animal Behavior 4 CR
An introduction to how animals of all different types use behaviors as strategies for interacting with the environment. Behaviors studied include communication, habitat selection, migration, mate choice, breeding and parental care. Development and physiological control of behaviors are also examined. Three hours of lecture and one laboratory/field session per week. Prerequisites: BI 112, BI 114, MA 131

BI 260 Marine Biology 4 CR
Explores the biology of marine organisms, their adaptations to the marine environment, and their ecological niches. Laboratory and field activities focus on oceanographic/ecological methods and the natural history of New England marine biota. Three hours of lecture and one three-hour laboratory per week. Prerequisites: BI 112 and BI 114
BI 299 Special Topics in Biology 3–4 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Prerequisites are established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics and prerequisites.

BI 311 Cell Biochemistry 4 CR
Covers advanced topics in eukaryotic cell biology with emphasis on protein biochemistry. Laboratory work includes enzyme kinetics, biochemical pathway studies and other biological analyses. Three hours of lecture and three hours of laboratory per week. Prerequisites: BI 220, CH 221 and CH 223 (chemistry courses may be taken concurrently).

BI 312 Systems Physiology 4 CR
Investigation of the physiology of vertebrate systems. Topics include cardiovascular, respiratory, neural, muscular, digestive, endocrine, reproductive and excretory physiology. Laboratory instruction includes practical investigation and survey research projects into the above topics and related illnesses. Prerequisites: BI 112, BI 114, CH 152 and CH 154.

BI 325 Immunology 4 CR
Examines the immune response including characteristics of antigens, antibodies and antigen-antibody interactions. Laboratory work includes agglutination precipitation, ELISA reactions and other immunological techniques. Three hours of lecture and three hours of laboratory per week. Prerequisite: BI 220.

BI 330 Virology 3 CR
Explores the nature of bacterial, animal and plant viruses. Includes lectures, demonstrations and/or independent research. Topics cover viral absorption-penetration, replication, release, viral infection and pathology. Three hours of lab per week. Prerequisite: BI 220.

BI 345 Neurobiology 4 CR
Covers cell biology of neurons, electrical and biochemical signaling, motor control, sensation and perception, learning and memory, and brain anatomy. Laboratory instruction includes practical investigations and survey research projects into the above topics and related illnesses. Prerequisites: BI 112, BI 114, CH 152 and CH 154.

BI 350 Ecology 4 CR
Examines fundamental concepts of plant and animal interactions as revealed by field and laboratory studies of populations, communities and ecosystems. Three hours of lecture and one laboratory/field session per week. Prerequisites: BI 112, BI 114, CH 152, CH 154 and MA 151; recommended course: MA 151.

BI 355 Molecular Biology 4 CR
Provides foundations of molecular biology and recombinant DNA technology, analysis of relevant primary journal articles, hands-on training in recombinant DNA techniques, and exposure to the use of computers in DNA sequence analysis and scientific communication. Prerequisites: BI 220, CH 221 and CH 223.

BI 360 Internship 3–6 CR
A study of a biological topic or of an interdisciplinary project that provides majors with an opportunity to gain experience not specifically available in Sacred Heart University's Biology curriculum. Students complete an internship portfolio under the direction of an appropriate professional in consultation with a biology faculty advisor.

BI 390 Supervised Research 2–6 CR
Individual research projects in the basic areas of Biology under the supervision of faculty. Prerequisites: A 3.0 GPA and permission of the supervising faculty member.

BI 399 Senior Seminar 2 CR
A capstone course for the Biology major. A review of current research and literature in a specialized...
The Chemistry program is committed to academic excellence and seeks to prepare students for industry, graduate school or professional school. This is achieved through a broad-based education that includes exposure to the major areas of Chemistry (analytical, biochemistry, environmental, inorganic, organic and physical) in both the classroom setting and in the laboratory. The required undergraduate research component of the degree provides an opportunity for the investigation of an original project.

The strengths of the department include small class sizes; extensive interaction with faculty; an award-winning student affiliate American Chemical Society chapter; instruction that uses the latest innovations in technology, teaching pedagogy and lab equipment; opportunities for community service; and the possibility for internship and co-op positions. The department also provides strong support for students majoring in other sciences as well as for nonscience majors.

The Chemistry program offers a balanced curriculum that prepares students for graduate study in the various areas of chemistry and for employment in the chemical industries. Also, the Chemistry major, coupled with selected supporting courses, provides excellent preparation for the study of medicine, dentistry and other health-related professions. To accomplish these objectives, the Chemistry program offers two degrees: the Bachelor of Science and the Bachelor of Arts. The student majoring in Chemistry with a BS degree can choose a Traditional, Biochemistry or Environmental concentration.

The Traditional concentration provides a curriculum with strong supportive courses in mathematics and physics. This program is recommended for graduate study in chemistry or as preparation for an industrial position.

The Biochemistry concentration is strongly recommended as preparation for a career in biochemistry, clinical chemistry or pharmaceutical chemistry. The program is also suitable for graduate study in biochemistry and pharmacology.

The Environmental concentration prepares the student for a career in the growing field of environmental chemistry. The student receives a strong chemistry background and takes appropriate courses in supporting disciplines. This concentration is appropriate for the student planning a career or graduate work in any of the allied environmental professions.

Faculty

Eid A. Alkhatib, Ph.D., Associate Professor
Linda Farber, Ph.D., Assistant Professor
Babu George, Ph.D., Professor
Dhia A. Habboush, Ph.D., Professor
Hiroko Shimada, Ph.D., Assistant Professor
Penny A. Snetsinger, Ph.D., Associate Professor

Chemistry Laboratories

There are eight chemistry laboratories serving the needs of analytical chemistry, biochemistry, computational chemistry, environmental chemistry, inorganic chemistry, organic chemistry and physical chemistry. These laboratories contain the following major equipment:

Spectroscopy

Three FT-IR Spectrometers, several Ultraviolet/Visible Spectrophotometers, Ultraviolet/Visible/Near Infrared Recording Spectrophotometers and Luminescence Spectrometer, 400 MHz NMR Spectrophotometer and Flame and Graphite Atomic Absorption Spectrometer, NIR Composition Analyzer.
Chromatography
Programmable Gas Chromatographs and HPLC System

Electrochemistry
Polarographic Analyzer, Polarographic Analyzer/Stripping Voltmeter, SMDE Electrode, RDE Electrode and Electrogravimetric Analyzer

GC-MS
GC, MSD, Flame Ionization Detector with EPC, Purge-and-Trap Liquid Sample Concentrator, Library of Spectra and Chemical Structure Database

Other Equipment
Magnetic Susceptibility Balance, Flame Photometer, three SGI Molecular Modeling Stations, and Automatic Polarimeter

Major in Chemistry
Requirements for the BS Degree
The B.S. degree requires the completion of 38 major credits, plus 20 credits in the related fields of mathematics and physics for the Traditional concentration; and 20 credits in the related fields of biology, mathematics and physics for the Biochemistry concentrations.

Required Courses for All Concentrations
CH 151 General Chemistry I
CH 152 General Chemistry II
CH 153 General Chemistry Laboratory I
CH 154 General Chemistry Laboratory II
CH 221 Organic Chemistry I
CH 222 Organic Chemistry II
CH 223 Organic Chemistry Laboratory I
CH 224 Organic Chemistry Laboratory II
CH 252 Analytical Chemistry
CH 254 Analytical Chemistry Laboratory
CH 331 Physical Chemistry I
CH 333 Physical Chemistry Laboratory I
CH 351 Instrumental Analysis
CH 353 Instrumental Analysis Laboratory
and
CH 393 Undergraduate Project
or
CH 395 Undergraduate Research

Required Supporting Courses for All Concentrations
MA 140 Precalculus (waived on examination)
MA 151 Introductory Calculus
MA 152 Mathematical Analysis I
PY 151/153 Principles of Physics I/Physics Laboratory I
PY 152/154 Principles of Physics II/Physics Laboratory II

Additional Required Courses for Traditional Concentration
CH 332 Physical Chemistry II
CH 334 Physical Chemistry Laboratory II
CH 355 Advanced Inorganic Chemistry

Additional Required Supporting Course for Traditional Concentration
MA 253 Mathematical Analysis II

A minimum of 10–12 credits of chemistry electives should be taken to enhance career and graduate study opportunities. Electives should be selected in consultation with the student's faculty advisor.

Additional Required Courses for Biochemistry Concentration
CH 321 Biochemistry I
CH 322 Biochemistry II
CH 323 Biochemistry Laboratory I
CH 324 Biochemistry Laboratory II

Additional Required Supporting Course for Biochemistry Concentration
BI 111 Concepts in Biology I

In addition to the above courses, two to three chemistry electives and one to three computer science courses are strongly recommended. For pre-health professions students, BI 111 and BI 112
and two Biology courses at the 200 level or higher are recommended.

**Requirements for the BA Degree in Chemistry**
The B.A. degree requires the completion of 32 major credits plus 16 credits in the related fields of mathematics and physics.

- CH 151 General Chemistry I
- CH 152 General Chemistry II
- CH 153 General Chemistry Laboratory I
- CH 154 General Chemistry Laboratory II
- CH 221 Organic Chemistry I
- CH 222 Organic Chemistry II
- CH 223 Organic Chemistry Laboratory I
- CH 224 Organic Chemistry Laboratory II
- CH 252 Analytical Chemistry
- CH 254 Analytical Chemistry Laboratory
- CH 331 Physical Chemistry I
- CH 333 Physical Chemistry Laboratory I
- CH 351 Instrumental Analysis
- CH 355 Instrumental Analysis Laboratory
- Chemistry elective (with department approval)

**Required Supporting Courses**

- MA 151 Introductory Calculus
- MA 152 Mathematical Analysis I
- PY 151/153 Principles of Physics I/Physics Laboratory I
- PY 152/154 Principles of Physics II/Physics Laboratory II

**Minor in Chemistry**
The minor in Chemistry requires the completion of the following 20 credits:

- CH 151 General Chemistry I
- CH 152 General Chemistry II
- CH 153 General Chemistry Laboratory I
- CH 154 General Chemistry Laboratory II
- CH 221 Organic Chemistry I
- CH 222 Organic Chemistry II
- CH 223 Organic Chemistry Laboratory I
- CH 224 Organic Chemistry Laboratory II

- 4 credits of Chemistry electives from 200- or 300-level courses

**Associate in Arts General Studies Emphasis Requirements**

33 credits:

- CH 151 General Chemistry I
- CH 152 General Chemistry II
- CH 153 General Chemistry Laboratory I
- CH 154 General Chemistry Laboratory II
- CH 221 Organic Chemistry I
- CH 222 Organic Chemistry II
- CH 223 Organic Chemistry Laboratory I
- CH 224 Organic Chemistry Laboratory II
- CH 252 Analytical Chemistry
- CH 254 Analytical Chemistry Laboratory
- MA 151 Introductory Calculus
- PY 111 General Physics I
- PY 112 General Physics II
- PY 113 Physics Laboratory I
- PY 114 Physics Laboratory II
- or
- PY 151 Principles of Physics I
- PY 152 Principles of Physics II
- PY 153 Physics Laboratory I
- PY 154 Physics Laboratory II

**Course Descriptions**

**†CH 015 Chemistry for the Artist** 4 CR

Explores chemistry of the materials used by the artist, chemistry of color, detection of art forgeries, art restoration, art hazards and safety precautions. Two 75-minute lectures and one two-hour discussion/laboratory per week.

**Prerequisite:** Art major or minor or permission of instructor

**†CH 020 Drugs and Their Implications to Society** 3 CR

Different classes of drugs, both legitimate and illicit, and their metabolism in the human body are studied. Basic organic chemistry is introduced. This course is designed for non-science majors.

**†CH 025 Forensic Chemistry** 4 CR

Examines the principles of chemistry as related to preservation and analysis of physical evidence in
criminal cases and the presentation of evidence in a court of law. Two 75-minute lectures and one three-hour laboratory or one two-hour discussion on alternate weeks.

Prerequisite: Criminal Justice major or permission of instructor

†CH 030 The Chemistry of Nutrition 3 CR
Designed for non-science majors, this course explores the fundamentals of nutrition, elaborating on the essential chemistry needed for a basic understanding of the subject matter. The course examines how carbohydrates, lipids, proteins, minerals, vitamins and antioxidants are chemically related to nutrition. The course focuses also on nutrition throughout the various life stages and how this relates to one's environment.

†CH 035 The Chemistry of Foods and Beverages 3 CR
Evaluates the "definition" of a food, nutritional composition of foods and beverages, measurement of these nutrients and their basic activities in the human body. Some basic chemistry is covered, but only to provide some foundation for understanding the activity of nutrients in our diet. This course is intended for non-science majors.

†CH 040 Chemistry, Society and the Environment 3 CR
Explores the workings of chemistry as an experimental science in the context of the need for science literacy and of the things affecting the everyday world and the environment. Two 75-minute lectures per week.

†CH 100 Principles of Chemistry 4 CR
Explores fundamentals of chemistry and its role and importance to the health sciences as preparation for CH 125 and/or CH 151. Two 75-minute lectures and one three-hour laboratory or one two-hour discussion on alternate weeks.

†CH 125 Principles of Organic and Biochemistry 4 CR
Surveys organic chemistry in sufficient depth and breadth to make biochemistry understandable. Followed by a study of biochemistry and biological chemistry. Two 75-minute lectures per week and one three-hour laboratory or one two-hour discussion on alternate weeks.

†CH 151 General Chemistry I 3 CR
Explores modern theories of atomic and molecular structure, chemical bonding and periodic relations, chemical reactions and stoichiometry, states of matter, and solutions. Three 50-minute lectures and one 50-minute discussion per week. Prerequisite: CH 100 or high school chemistry

†CH 152 General Chemistry II 3 CR
Explores chemical thermodynamics; chemical kinetics; chemical, ionic and acid-base equilibria; electrochemistry; chemistry of the representative elements and transition elements; and nuclear reactions. Three 50-minute lectures and one 50-minute discussion per week. Prerequisite: CH 151

CH 153 General Chemistry Laboratory I 1 CR
Illustrates basic concepts presented in CH 151. Experiments include qualitative analysis of cations and anions, chromatography, synthesis and FT-IR. One three-hour laboratory per week. Corequisite: CH 151

CH 154 General Chemistry Laboratory II 1 CR
Illustrates basic concepts presented in CH 152. Experiments include quantitative analysis, equilibria, thermochemistry, spectrophotometry and GC-MS. One, three-hour laboratory per week. Prerequisite: CH 153; corequisite: CH 152

CH 221 Organic Chemistry I 3 CR
Covers hydrocarbons; stereochemistry; arenes; alkyl halides; nucleophilic substitution and elimination reactions; and IR, NMR, MS and UV spec-
troscopy in relation to structure determination. Two 75-minute lectures and one 50-minute discussion per week. Prerequisite: CH 152

CH 222 Organic Chemistry II 3 CR
Covers aromaticity; electrophilic and nucleophilic aromatic substitution reactions; ethers, epoxides, carboxylic acids and their functional derivatives; aldehydes; ketones; amines; phenols; carbanion reactions; and alpha-beta unsaturated compounds. Emphasizes organic reaction mechanisms, organic synthesis and structure determination. Two 75-minute lectures and one 50-minute discussion per week. Prerequisite: CH 221

CH 223 Organic Chemistry Laboratory I 1 CR
Covers basic techniques in organic chemistry: extraction, distillation, recrystallization; thin layer chromatography; gas chromatography and IR spectroscopy. Emphasizes techniques in organic synthesis. One three-hour laboratory per week. Corequisite: CH 221

CH 224 Organic Chemistry Laboratory II 1 CR
Covers simple and multistep organic syntheses using a wide variety of organic reagents and some important functional group analyses. Employs spectroscopy and GC-MS for structure determination. One three-hour laboratory per week. Prerequisite: CH 223; corequisite: CH 222

CH 252 Analytical Chemistry 3 CR
Explores data analysis and classical methods of quantitative analysis. Focuses on the basics of analytical chemistry and the development and application of equilibrium models to all branches of classical analysis. Two 75-minute lectures per week. Prerequisite: CH 220 or CH 221

CH 254 Analytical Chemistry Laboratory 2 CR
Provides laboratory experience in volumetric, gravimetric and instrumental methods. Experiments correlate with lecture material in CH 252 to help students understand the chemistry involved and develop proper analytical procedures and techniques. One six-hour laboratory per week. Prerequisite: CH 254; corequisite: CH 252

CH 321 Biochemistry I 3 CR
Covers chemical and physiological properties of carbohydrates, lipids, amino acids, proteins, enzymes and nucleic acids. Explores metabolic pathways and enzymology. Two 75-minute lectures per week. Prerequisite: CH 222

CH 322 Biochemistry II 3 CR
Continues the study of metabolic pathways. Two 75-minute lectures per week. Prerequisite: CH 321

CH 323 Biochemistry Laboratory I 1 CR
Investigates chemical and physical properties of biologically important compounds using chromatography, electrophoresis, enzyme assays and various techniques for isolation and identification of biochemicals and enzymes. One three-hour laboratory per week. Corequisite: CH 321

CH 324 Biochemistry Laboratory II 1 CR
Examines isolation and purification of lipids, proteins, enzymes and nucleic acids from biological materials employing electrophoresis, chromatography, spectrophotometry and fluorometry. One three-hour laboratory per week. Corequisite: CH 322

CH 331 Physical Chemistry I 3 CR
Explores thermodynamics, statistical thermodynamics, kinetic theory of gases, changes of state, solutions and kinetics. Two 75-minute lectures per week. Prerequisites: CH 152, CH 154, MA 151 and PY 152

CH 332 Physical Chemistry II 3 CR
Explores advanced kinetics and quantum mechanics. Two 75-minute lectures per week. Prerequisite: CH 331; co- or prerequisite: MA 253 or permission of instructor
CH 333 Physical Chemistry Laboratory I 1 CR
Explores various techniques used to apply the fundamental concepts of physical chemistry to real chemical systems. One three-hour laboratory per week. Corequisite: CH 331

CH 334 Physical Chemistry Laboratory II 1 CR
Explores more advanced techniques of physical chemistry and applies theoretical concepts learned in CH 332 to real chemical systems. One three-hour laboratory per week. Prerequisite: CH 252 and CH 331 or permission of instructor

CH 335 Instrumental Analysis Laboratory 1 CR
Provides hands-on experience with modern analytical instrumentation, including UV/visible infrared, atomic absorption spectrophotometry, potentiometric and ion selective electrode methods, electrodeposition, gas chromatography and mass spectrometry. One three-hour laboratory per week. Corequisite: CH 351

CH 335 Advanced Inorganic Chemistry 4 CR
Explores physical and chemical properties of the elements and their compounds, periodic relations, theories of atomic and molecular structures and molecular symmetry with emphasis on coordination chemistry. Two 100-minute lectures per week. Prerequisite: CH 331

CH 361 Environmental Chemistry 3 CR
Explores chemical aspects of the human environment and sources, reactions, transport, effects and fates of chemical species in water, soil and living environments and effects of technology thereon. Two 75-minute lectures per week. Prerequisite: CH 220 or CH 222

CH 363 Hazardous Waste Management 3 CR
Explores types, sources, treatment and disposal of hazardous and solid wastes; conservation and reuse of material; economics of waste treatment, disposal and reuse. Prerequisite: CH 220 or CH 221

CH 365 Environmental Sampling and Analysis 3 CR
Laboratory and field work including sampling of surface and groundwater using EPA-approved methods for analyzing water, wastewater, soil and sediments. Also covers QA/QC plans and statistics in chemical analysis and sampling protocols. One 100-minute lecture and one three-hour laboratory per week. Prerequisite: CH 361

CH 393 Undergraduate Project 3 CR
A special project may be carried out under the advisement of a Chemistry faculty member. Prerequisite: Permission of project advisor

CH 395 Undergraduate Research 3 CR
Research may be carried out under supervision of a Chemistry faculty member. Prerequisite: Permission of research advisor

CH 399 Special Topics in Chemistry 2-3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Consult the current course schedule for available topics.

Communication and Technology Studies
An interdisciplinary program, the major in Communication and Technology Studies (CTS) is directed to students who wish to become leaders in creating the communication environment of the future, to those interested in the broader implications of communication technology, understanding the theory as well as the practice, and adapting to a changing world.

COLLEGE OF ARTS AND SCIENCES
text, graphics, sound and video. It discusses design and planning elements that go into multimedia development. Students use Director and some of the scripting language, Lingo, to choreograph media objects onto a stage using a score. Prerequisite: CS 100 or permission of department chair.

**CS 232 Human Computer Interaction** 3 CR
Focuses on how developers and designers of computer systems can produce computers that are beneficial to the user and easy to use. Human-computer interaction is the intersection of human behavior and computer technology. In understanding human behavior, developers can evaluate what makes the computer easy to learn and use. The course examines the ways people interact with computers and how to incorporate this knowledge into the design and evaluation of new technology. Prerequisite: CS 100 or CS 112.

**CS 319 Computer Ethics: Society and Technology** 3 CR
This course focuses on the ethical and social issues associated with computer technology such as privacy, theft, intellectual property, accountability, hacking, and cracking, codes of ethics and professional responsibility. Students also examine philosophers such as Aristotle, Kant and Mill, as well as Virtue ethicists. This course is a Senior-level capstone course. It emphasizes both oral and written communication as students discuss and examine their own ethical beliefs. Prerequisites: Junior/Senior status, PH 101, RS 101, or permission of instructor.

**CT 101 Foundations of Communication: Tech Era** 3 CR
Explores the intersections and divergences of various technologies of mediated communication, from traditional inscription (print) to film, radio, television and electronic media. Emphasizes student inquiry and encourages web-based study and digitally-enhanced final portfolios. Prerequisite: Permission of CT coordinator.

**CT 118 Technical Communications I** 3 CR
Introduces the most important elements of communications in the professional world of technology and newer media. Students study common types of reports and learn fundamental techniques for preparing reports, final copy, and web page content. Prerequisites: EN 012, CT 101.

**CT 218 Technical Communications II** 3 CR
Develops skills in research techniques and increases proficiency in technical communications by focusing on all phases of the preparation of a communication technology-related project. Emphasizes the acquisition of the ability to "translate" technical information to non-specialists. Prerequisite: CT 118.

**CT 399 Capstone in Communication Technology** 3 CR
Culminating course for the CT major. Students integrate what they have learned in the major in an experiential setting. Must be accomplished under guidance of a faculty director and in consultation with CT Coordinator. Prerequisite: Senior standing.

**MS 280 Digital Culture** 3 CR
Considers digital and technologically mediated environments as "mass media" in the tradition of film, radio or television. Using a variety of approaches, including historical, sociological, economic, technological, cultural and aesthetic, this course looks at questions such as how does the Internet codify reality? How are communities both created and thwarted? What are the characteristics of the global media culture? Readings, screenings and written reports required. Prerequisites: MS 101 or CT 101.

**MS 287 Media and Democracy** 3 CR
Examines the relationships between the mass media (film, television, newspapers and the Internet), the public and politics. Historical case studies analyze from ethical, economic, social, historical, aesthetic and technological perspectives how the media provide (or do not provide) a...
place through which people express their views as citizens in a democracy. Current media examples are also investigated. Readings, screenings and written reports required. **Prerequisite:** MS 101 or CT 101

**MS 288 Democratic Technologies** 3 CR
Focuses on the creative use of technologies available to the American consumer. Instruction in alternative audio and visual production encourages students to express themselves and distribute media content using available consumer and public access technologies. Laptop computers are required to digitize audio and visual projects and for Internet research. **Prerequisite:** MS 101 or CT 101

**AR 211 Graphic Design I** 3 CR
An introduction to classical and modern typefaces, the mechanics of type composition and the fundamentals of layout. Consideration is given to the selection of typefaces that enhance thought and ideas. **Prerequisite:** AR 214

**AR 214 Computer Design Basics** 3 CR
An introduction and exploration of the three primary graphic design programs: Adobe Photoshop, Adobe Illustrator and Quark Express. Only the most basic design concepts are explored in assignments, ensuring a basic understanding of the technological tools of design. **Prerequisite:** AR 214

**CA 131 Interpersonal Communication** 3 CR
Current research, student-designed projects and communication "games" provide opportunities for explorations of breakdowns, barriers and bridges in interpersonal contexts. Service learning may be required. **Prerequisite:** CA 021

**CA 299 Special Topics in Oral Communication** 3 CR
Designates new or occasional courses, offered as an experimental alternative to existing courses, which may or may not become part of the department's permanent offerings. Consult the current schedule for current topics and prerequisites.

**EN 207 Introduction to English Language** 3 CR
A survey of the major changes in structure, vocabulary and uses of the language from the earliest times to the present. Explores important findings of modern linguistic scholarship. Required for secondary education. **Prerequisite:** EN.012

**HI 276 The Rise of Modern Science** 3 CR
Starting with their origins in the Scientific Revolution of the 16th century, this course presents the major scientific developments in Western life and their impact on society. Topics include the Copernican Universe, Darwinian biology and several major scientific advancements in the 20th century.

**MS 293 Alternative Media** 3 CR
Explores nonmainstream and noncommercial media—mechanical, electronic and digital—to understand their content, form and roles they play in our culture. The course looks at the aesthetic theories and/or social motivations, implicit or explicit in the alternative culture and in individual works. Readings, screenings and written reports required.

**PH 256 The Philosophy of Technology** 3 CR
Representative views of the social role of technology. Two fundamental questions are addressed. The extent of technology's impact on social institutions and individual lives. And, to what degree is this impact beneficial or harmful? **Prerequisite:** PH 101

**PS 299 Special Topics in Psychology** 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. **Prerequisites** established by the department as
appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

SO 253 The Global Social System 3 CR
This course is designed to give students an understanding of the world system as a social system. Emphasis is on the social processes resulting from interaction over time in the world system. Prerequisite: SO 200 for Sociology majors, all other students SO 101

SO 256 Political Sociology 3 CR
Examines how corporations, social movements, interest groups, governments and other large-scale organizations amass power and use power to pursue objectives. Prerequisite: SO 200 for Sociology majors, all other students SO 101

Communications
The undergraduate minor in Communications or the Communications concentration of the English major is designed to provide students with an opportunity to acquire an understanding of theory and practice of the communication process and impact of communications in a variety of social contexts.
In addition to acquiring a broad awareness of the role of communications in society, students may study interpersonal communications, public speaking, oral interpretation of literature and nonverbal communications, and may enhance these skills further through service learning and/or internship placements.
Students can utilize their learning in the fields of education, telecommunications, journalism, business, advertising, public relations, personnel, politics, medicine and law.

Course Descriptions
CA 020 Introduction to Effective Communication 3 CR
Stresses communication skills for studying and living in America for the non-native speaker of American English. Language lab required. Does not carry degree credit, or count toward satisfying minor or concentration requirements.

CA 021 Effective Communication 3 CR
Explores and analyzes the communication process through instruction and practice in individual and group presentations and oral interpretation of literature. Laptop required. Does not count toward satisfying minor or concentration requirements.

CA 121 Advanced Effective Communication 3 CR
Explores communication theory and practice while building upon composition and presentation skills mastered in CA 021. Provides guided experimentation. Laptop required. Prerequisite: CA 021

CA 131 Interpersonal Communication 3 CR
Current research, student-designed projects and communication "games" provide opportunities for exploration of breakdowns, barriers and bridges in interpersonal contexts. Service learning may be required. Prerequisite: CA 021

CA 141 Introduction to the Theater 3 CR
A survey course introducing theater as a form of literature, a performing art and a profession. Students are required to act in or work behind the scenes on a departmental production and will attend performances of plays at professional, university and/or community theaters. Several plays are read and discussed. Short papers required.

CA 151 American Sign Language I 3 CR
An introduction to signing at Level 1, basic vocabulary through finger spelling, alphabet, numbers and colors. Introduction to the culture of the deaf. Does not count toward satisfying minor or concentration requirements.

CA 161/162 Theater History I, II 3 CR each
CA 161 is a survey of theatrical and dramatic history from the time of the Greeks to the end of the 17th century. CA 162 focuses on the theatrical and dramatic history from the end of the 17th century to the present. The course sequence examines the
evolution of the various elements of play production, theater architecture, the stage, costumes, scenery and lighting, acting and directing, music and dance, theater management and audience. Oral reports and research paper are required. 

Prerequisites: CA 021 and EN 012, or permission of instructor.

CA 171 Acting I 3 CR
An exploration of the actor's "instrument," body, voice, thoughts and feelings. Basic physical and vocal work including exercises in relaxation, flexibility, concentration, alignment, centering, breathing and sound. Theater games designed to free the actor's imagination are performed to develop improvisatory skills. Prerequisite: CA 021 or permission of instructor.

CA 174 Rehearsal and Performance 1 CR
Students earn credit for participation in spring main-stage productions. Eligibility and credit are determined after casting. Students may take this course two times. Prerequisite: Permission of the instructor.

CA 200 Introduction to Performance 4 CR
Basic techniques utilized by directors and actors, including movement, voice, makeup and theater terminology. Two double sessions. Prerequisite: Permission of instructor.

CA 215 American Sign Language II 3 CR
An extension of CA 115. Signing at Level 2. Course deals with describing the family and the home. Grammar and classifiers are studied. Prerequisite: CA 115.

CA/BU 221 Business Communications 3 CR
Corporate business-focused oral and written communication skills are analyzed and practiced. Individual- and group presentations, memos, letters, reports, resumes and interview preparation are included. Laptop required. Prerequisites: EN 011, EN 012 and CA 021.

CA 261 Public Speaking 3 CR
Organization and delivery of extemporaneous, informative and persuasive speeches are stressed. Audience analysis, context and using support materials in diverse speaking situations are studied. Service learning may be required. Laptop required. Prerequisite: CA 021.

CA 270 Nonverbal Communication 3 CR
Analyzes how we consciously and unconsciously communicate without words. Research and student-designed projects examine proxemics, gesture, touch, signs and expressions. Prerequisite: CA 021.

CA 271 Acting II 3 CR
A continuation of the work begun in CA 171 and its application to the process of scene study and the building of characters. Focus is on script analysis, rehearsal techniques and selected special problems such as Shakespeare, acting styles and auditioning. Prerequisite: CA 171 or permission of instructor.

CA 273/274 Theater Workshop I/II 3 CR each
The Theater Workshop produces three to five presentations on campus per year. The productions are wide ranging in period, style and genre. Students may take either or both CA 273 and CA 274.

CA 275/375 Theater Practicum I, II 3 CR each
The Theater Practicum offers students on-location experience at a professional theater. Advanced students may serve as understudies for professional actors. Students may take either or both CA 275 and CA 375. Prerequisite: Permission of instructor.

CA 280 Oral Interpretation of Literature 3 CR
Literature is "recreated" and analyzed through a use of voice and body as well as through study of theories of criticism and aesthetics. Public performances required. Service learning may be required. Prerequisite: CA 021.
CA 299 Special Topics in Oral Communication 3 CR
Designates new or occasional courses, offered as an experimental alternative to existing courses, which may or may not become part of the department's permanent offerings. Consult the current schedule for current topics and prerequisites.

CA 380 Play Directing 3 CR
Covers a range of directorial skills, including play analysis and concept, blocking, casting, scheduling and working with actors. Prerequisites: CA 141, CA 171 or permission of the instructor

CA 399 Special Topics in Communications or Theater 3 CR

Computer Science and Information Technology
The computer science field has demonstrated dramatic growth and technological development within the last decade. The 21st century will see the emergence of nanotechnology, ubiquitous computing and wireless networking. The Computer Science and Information Technology (CS/IT) Department responds to these technological challenges by offering a dynamic course of study that is responsive to the ever-changing field of computer technology. (CS/IT) curriculum has two concentrations: Science and Information Technology. The Science option is geared to those students with strong mathematics and the desire to participate in the research and development side of computer science. The Information Technology option is for those students interested in interface, multimedia and system design for business applications.

Faculty
Allana Adams, M.S., Instructor
Sandra Honda Adams, M.S., Associate Professor
Frances Grodzinsky, Ph.D., Professor
Ellen Kinber, Ph.D., Associate Professor
Robert McCloud, Ed.D., Assistant Professor
Keri Matthews, M.S., Instructor
Domenick J. Pinto, Associate Professor/Chair
Joshua Randall, M.S., Instructor

Computer Science Facilities
There are two state of the art computing labs dedicated to computer science courses. These contain the latest flat screen Pentium 4 computers with DVD, CD-R/W drives. In addition the conference room of the CS/IT department serves as a mini-lab used exclusively by CS/IT majors for projects, homework and tutoring and is equipped with the same state of the art equipment. There is also a Networking/UNIX lab equipped with ten Sunblades, 4 Pentiums and a variety of Cisco routers. This closed LAN laboratory is used for networking and UNIX shell programming courses and is open 24 hours a day, seven days a week for those students. All labs are on a 3-year replacement cycle.

Software available in the labs include:
• Microsoft Office
• Macromedia Director
• Macromedia Flash MX
• Macromedia Fireworks MX
• Macromedia Dreamweaver MX
• Macromedia Authorware
• V.B. Net
• Visual C++
• Borland JBuilder

Major in Computer Science
The major in Computer Science with a concentration in Computer Science requires the completion of 52 credits. The major in Computer Science with a concentration in Information Technology requires 48 credits.

Required Courses for Both Concentrations
CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 115 Discrete Structures
CS 215 Computer Systems Organization with Assembler
CS 311 Database Design
CS 312 Software Engineering
CS 318 Project Course
CS 319 Computer Ethics
CS 339 Networking and Data Communication

**Required Courses for Computer Science Concentration**

CS 241 Advanced Programming Concepts Using "C"
CS 242 Introduction Graphics Using JAVA
CS 341 Analysis of Algorithms
CS 348 The Anatomy of Programming Languages
CS 349 Operating Systems
One Computer Science elective

**Required Supporting Courses for Computer Science Concentration**

MA 151 Introductory Calculus and Math 152 Mathematical Analysis 1 should be taken as part of the required Baccalaureate core.
MA 261 Linear Algebra
MA 331 Mathematical Probability and Statistics 1

**Required Courses for Information Technology Concentration**

Math 109 Mathematics for Decision Making and Math 110 Calculus for Decision Making should be taken as part of the required Baccalaureate core.
CS 232 Human-Computer Interaction
CS 233 Visual Basic
CS 331 Multimedia Applications
CS 338 Systems Analysis and Design
One Computer Science elective

**Required Supporting Courses for Information Technology Concentration**

Math 109 Mathematics for Decision Making and Math 110 Calculus for Decision Making should be taken as part of the required Baccalaureate core.
BU 103 Business: Its Nature and Environment or BU 201 Organization Management
MA 151 Statistics for Decision Making

**Minor in Computer Science**

CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 113 Discrete Structures
CS 214 Introduction to Symbolic Logic
CS 215 Computer Systems Organization with Assembler
CS 311 Database Design
CS 312 Software Engineering
One Computer Science elective

**Associate's Degree in Computer Science**

The Associate of Science degree in Computer Science offers two areas of emphasis: Computer Science and Information Technology. Both emphases require the completion of 60 credits. The program is designed for high school graduates who intend to make a career in the field of Computer Science and college graduates who want to obtain a sufficient level of computer experience.

The Computer Science emphasis is intended for college students majoring in mathematics or the sciences who wish to supplement their major in order to increase their employment opportunities after graduation.

The Information Technology emphasis is intended for high school graduates who wish to make a career in information processing and for business students or individuals working with computers who want a formal education in order to advance their careers.

**Required Courses for Both Concentrations**

CS 111 Introduction to Structured Programming
CS 112 Data Structures
CS 113 Discrete Structures
CS 215 Computer Systems Organization with Assembler
CS 311 Database Design
CS 312 Software Engineering
CS 319 Computer Ethics

**Required Core Courses for Both Concentrations**

- EN 011 Introduction to Rhetoric
- EN 012 Rhetoric: The Research Paper
- Four non-computer science Liberal Arts electives

**Required Courses for Computer Science Concentration**

- CS 241 Advanced Programming Concepts Using "C"
- CS 242 Introduction Graphics Using JAVA
- CS 341 Analysis of Algorithms
- Two Computer Science electives

**Required Supporting Courses for Computer Science Concentration**

- MA 151 Introductory Calculus
- MA 152 Mathematical Analysis I

**Required Courses for Information Technology Concentration**

- CS 101 Web Design and Visual Tools
- CS 102 Multimedia for Non-Majors
- CS 233 Visual Basic
- CS 368 Microsoft Windows NT

**Course Descriptions**

**CS 100 Introduction to Information Technology** 3 CR

An introduction to computing and data processing for non-computer science majors. This course is half theory and half hands-on application using Microsoft Office. It includes word processing, spreadsheets, databases and some work with the Internet. This course provides the knowledge and understanding necessary to communicate effectively in the personal computing environment of business today.
CS 101 Web Design and Visual Tools 3 CR
This course aids in the understanding of the design and production of web sites. It discusses what design elements go into web page development. Students browse sites and identify good design elements. They construct their own web page early on and allow it to evolve throughout the semester. Prerequisite: CS 100 or permission of department chair

CS 102 Multimedia for Non-Majors 3 CR
This course aids the non-programmer in the understanding of multimedia authoring, incorporating text, graphics, sound and video. It discusses design and planning elements that go into multimedia development. Students use Director and some of the scripting language, Lingo, to choreograph media objects onto a stage using a score. Prerequisite: CS 100 or permission of department chair

CS 110 Introduction to Computer Science 3 CR
An introduction to programming logic, using the programming language Pascal. This course presents an overview of major programming concepts (selection, loops, input-output operations, procedures and functions) and serves as an introduction to the Unix operating system and Unix-based editors. For computer science majors. Prerequisite: computer science major or permission of department chair

CS 111 Introduction to Structured Programming 3 CR
A first course in programming using a structured programming language. Topics include iteration, selection, procedures, functions and arrays with the use of flowcharts and modules. Presents applications in both business and scientific areas. Prerequisite: CS 110 or permission of department chair

CS 112 Data Structures 3 CR
A continuation of CS 111 using a structured programming language to implement multidimensional arrays, stacks, queues, linked lists and binary trees. Also introduces recursion and generic packaging. Prerequisite: CS 111

CS 113 Discrete Structures 3 CR
Presents mathematical concepts for computer science, including sets, relations and functions; partitions; order relations; countability; permutations and combinations; probability; recurrences; big-Oh notation; elements of abstract algebra such as groups, rings and Boolean algebras. Prerequisite: MA 006

CS 214 Introduction to Symbolic Logic 3 CR
Examines the foundations of logic for computer science, including propositional logic-truth tables, satisfiability and validity; logic circuits; predicate logic quantification; satisfiability and models; unification; soundness and completeness; decidability and undecidability; proofs, including direct, by contradiction, tableaux, deduction theorem, resolution, etc.; mathematical induction; Turing machines; and halting problems. Prerequisites: CS 112 and CS 113

CS 215 Computer Systems Organization with Assembler 3 CR
This course presents an overview of computer architecture and computer organization as they relate to computer science. Topics include computer components, interconnection structures, internal memory, instruction sets, number representation in computers, parallel processing and an elementary introduction to assembly programming. Prerequisite: CS 112

CS 232 Human-Computer Interaction 3 CR
Focuses on how developers and designers of computer systems can produce computers that are beneficial to the user and easy to use. Human-computer interaction is the intersection of human behavior and computer technology. In understanding human behavior, developers can evaluate what makes the computer easy to learn and use. The course examines the ways people interact with
computers and how to incorporate this knowledge into the design and evaluation of new technology. 

Prerequisite: CS 100 or CS 112

CS 233 Visual Basic 3 CR
Explore the use of controls and tools, forms, menus, frames, file browsers and buttons, creating windows interfaces for databases, linking to Windows and Excel, writing and debugging Visual Basic code. 

Prerequisite: CS 112

CS 241 Advanced Programming Concepts Using "C" 3 CR
Covers advanced programming techniques in "C," using pointers, data structures and recursion. Emphasis on functions and use of make files. 

Prerequisite: CS 112

CS 242 Introduction Graphics Using JAVA 3 CR
Introduces concepts of classes and main JAVA graphics tools. Topics include: structure of JAVA system, introduction to classes, dialog boxes, data types, introduction to applets, HTML files, graphics class and its methods, JAVA widgets, event-driven programming, class containers, and layouts. 

Prerequisite: CS 112 and CS 113

CS 299 Special Topics I 3 CR
Various courses of current interest to the Computer Science major are introduced from time to time. 

Prerequisite: Sophomore status

CS 311 Database Design 3 CR
Explores fundamentals of database design theory and applications. Includes data models with emphasis on the relational model. 

Prerequisites: CS 112 and CS 215

CS 312 Software Engineering 3 CR
The study of software development methodology, both procedural and object oriented. This is a project-based design course where teams develop software projects from requirements analysis through detailed design and testing. 

Umbrella activities such as configuration management, quality assurance, writing documentation, ethics and costing are covered. Automated software design tools are used and oral and written presentations required. 

Prerequisite: CS 311

CS 318 Project Course 3 CR
It is strongly recommended that students sign up for this course one semester before the graduating semester, because of the independent study/work involved. Students work with a faculty member in the department to define and implement an acceptable project. The student is required to write a report and is to make a public presentation of the work. 

Prerequisites: Senior standing and permission from Computer Science Department

CS 319 Computer Ethics 3 CR
This course focuses on the ethical and social issues associated with computer technology such as privacy, theft, intellectual property, accountabilty, hacking and cracking, codes of ethics and professional responsibility. Students also examine philosophers such as Aristotle, Kant and Mill, as well as Virtue ethicists. This course is a Senior-level capstone course. It emphasizes both oral and written communication as students discuss and examine their own ethical beliefs. 

Prerequisites: Junior/Senior status, PH 101, RS 101 or permission of instructor

CS 331 Multimedia Applications 3 CR
This course aids in the understanding of multimedia authoring, incorporating text, graphics, sound and video. It discusses design and planning elements that go into multimedia development. Students use Director and its scripting language, Lingo, to choreograph media objects onto a stage using a score. It is designed for students with programming experience. 

Prerequisite: CS 112

CS 338 Systems Analysis and Design 3 CR
An advanced design course that studies the application of computer solutions to business problems. This is a project-based course where teams set milestones and present object-oriented analy-
sis and design of their solutions. Oral and written presentations are required and automated software tools are used. **Prerequisite:** CS 312

**CS 339 Networking and Data Communication** 3 CR

The study of networks and data communication concentrating on the first four levels of the OSI model including physical, datalink, network and transport. This is a laboratory-based course that includes projects implemented in the SUN Networking Laboratory. Topics such as LANs, WANs and MANs; hardware, software, protocols, routing, circuit-switching and packet-switching networks, analog and digital systems, compression and error handling are among those studied. Students use a simulation package to design and simulate networks. **Prerequisites:** CS 312 and CS 338; knowledge of "C" preferred

**CS 341 Analysis of Algorithms** 3 CR

Emphasis on theory and techniques underlying the analysis of algorithms including big/little-Oh, graphs and networks, searching, sorting, recursion and classical algorithms. **Prerequisites:** CS 112 and MA 151

**CS 348 The Anatomy of Programming Languages** 3 CR

Studies the structure of programming languages, their similarities and their differences. It examines semantics and formal description of languages, names and bindings, modeling objects, expressions and evaluation, functions and parameters, control structures, functional languages, logic programming, types, modules and objects, generics and dispatching with inheritance. Students are expected to program in three different languages that illustrate the theory they are studying. An independent project will also be developed using one of these three languages. **Prerequisites:** CS 241 and CS 341

**CS 349 Operating Systems** 3 CR

Examines resource management, including memory allocation and management, virtual memory, process scheduling, protection, deadlock and concurrency, case studies and multiprocessing. **Prerequisite:** CS 341

**CS 366 Object-Oriented Programming (OOP) in C++** 3 CR

Focuses on principles of OOP, including encapsulation, objects and classes, inheritance and polymorphism. This course covers the differences between C and C++ and includes a detailed discussion of C++ features such as classes, constructors, destructors, friends, exceptions, etc. **Prerequisite:** CS 241

**CS 368 Microsoft Windows NT** 3 CR

Principles of NT: platforms, service packs, hardware, FAT vs. NTFS and partitions, domains and workgroups, network protocols and topologies, TCP/IP services, network browsing, event log, server manager/services, user administration, etc. **Prerequisite:** CS 112

**Elective Courses (currently under development)**

- CS 350 Unix and Shell Programming
- CS 351 Digital Design
- CS 360 Advanced Database
- CS 361 Automata/Compilers
- CS 362 Computer Architecture
- CS 363 Parallel Processing
- CS 364 Artificial Intelligence
- CS 365 Computer Graphics
- CS 367 Interface Design
- CS 398 Special Topics II

**Criminal Justice**

The Criminal Justice program provides students with a comprehensive understanding of the criminal justice system, which consists of public and private police, courts and corrections.

The course of study enables the graduate to pursue a career in law enforcement, correctional security and counseling, probation, parole, court
administration, personnel management in various
criminal justice agencies or private security. The
program also prepares the student to enter law
school or graduate school in the social and behav­
ioral sciences. It provides an excellent opportuni­
ty for criminal justice personnel, and community
and junior college graduates, to obtain a bache­
lor’s degree in Criminal Justice. Applicants who
have completed the municipal, state or FBI train­
ing may apply for advanced standing.

Faculty
Pearl Jacobs, Ph.D., Associate Professor,
Criminology Program Director
Cathryn Lavery, M.S., Instructor
Denise Markle, J.D., Visiting Assistant Professor
Grant Walker, Ph.D., Associate Professor

Major in Criminal Justice
The major in Criminal Justice requires the com­
pletion of a minimum of 51 major credits plus 3
credits in the related field of Computer Science.
The Criminal Justice student is advised to take
SO 101 or PS 101 and MA 102 as part of the
required baccalaureate core, since these are pre­
requisites for certain Criminal Justice courses.

Required Courses
CJ 101 Introduction to Criminal Justice
CJ 200 American Constitutional Law
CJ 201 Criminal Law and Procedure
CJ 270 Issues and Problems in Criminal Justice
CJ 381 Research Methods in Criminal Justice
SO 235 Criminology
SO 256 Juvenile Delinquency
SO 237 Deviance and Social Control
SO 332 Statistics for the Social Sciences/MA 131
Statics for Decision Making

Elective Course Requirements
A 24-credit sequence is required for all students.
No specific courses are required. The course of
study is created by the student, in consultation
with an advisor.

Corrections Courses
CJ 220 Introduction to Corrections
CJ 221 The Administration of Juvenile
Corrections
CJ 222 The Treatment of the Adult Offender
CJ 223 Interviewing and Counseling
CJ 320 Correctional Administration and
Management
CJ 321 Probation and Parole
CJ 390 Internship

Law Enforcement Courses
CJ 230 Introduction to Law Enforcement
CJ 231 Criminal Investigation
CJ 235/LW 235 Law of Evidence
CJ 238 Police Administration
CJ 330 Police—Community Relations
CJ 339 Police Supervision
CJ 390 Internship

Security Courses
CJ 240 Introduction to Security
CJ 241 Security Organization and Administration
CJ 243 Private Security Law
CJ 244 Security and Loss Prevention
CJ 245 Computer Security
CJ 340 Physical Security Strategies
CJ 390 Internship

Minor in Criminal Justice
The minor in Criminal Justice requires the com­
pletion of the following 18 credits:

Required Courses in the Minor
CJ 101 Introduction to Criminal Justice
CJ 270 Issues and Problems in Criminal Justice
SO 235 Criminology
Three Criminal Justice electives

Course Descriptions
CJ 101 Introduction to Criminal Justice 3 CR
Provides an overview of the criminal justice system
and its processes. Prerequisite: PS 101 or SO 101
CJ 200 American Constitutional Law 3 CR
Focuses on the development of the Constitution through interpretations of the U.S. Supreme Court. A study of civil rights and civil liberties. Prerequisites: CJ 101 and Junior standing

CJ 201 Criminal Law and Procedure 3 CR
Substantive aspects of criminal law with emphasis on statutory criminal law. Examines the purpose and goals of criminal law and the historical development of its basic concepts. Prerequisite: CJ 101

CJ 210/LW 237 Family Law 3 CR
Covers the legal entanglements in which people find themselves and considers the rights of middle- and low-income groups. Prerequisite: CJ 101

CJ 211/LW 239 Women and the Law 3 CR
Traces the development of sex discrimination as a legal and social phenomenon. The law is covered in terms of its historical perspective. Prerequisite: CJ 101 or permission of program director

CJ 220 Introduction to Corrections 3 CR
A general overview of the corrections system including the historical development of control of human behavior in society. Analysis of the major issues confronting corrections. Prerequisite: CJ 101

CJ 221 The Administration of Juvenile Corrections 3 CR
A study of community treatment programs, juvenile probation and aftercare. Prerequisite: CJ 101

CJ 222 The Treatment of the Adult Offender 3 CR
A survey of adult correctional programs and examination of the treatment of offenders in various correctional institutions. Prerequisite: CJ 101

CJ 223 Interviewing and Counseling 3 CR
Practice-oriented course designed to provide the basic techniques of counseling and interviewing. Prerequisite: CJ 101

CJ 224 Women and the Criminal Justice System 3 CR
Explores the changing roles of women in the criminal justice system. The course focuses on women offenders, women victims and women criminal justice professionals. Prerequisite: CJ 101 or permission of program director

CJ 230 Introduction to Law Enforcement 3 CR
Explores the law enforcement system in the United States. Examines police activities and their relationship to the criminal justice system. Prerequisite: CJ 101

CJ 231 Criminal Investigation 3 CR
A study of investigative techniques, sources of information and an analysis of the relationships of investigative units with other law enforcement units and agencies. Prerequisite: CJ 101

CJ 235/LW 235 Law of Evidence 3 CR
An explanation and analysis of the rules of evidence. Examines court decisions concerning the rights of citizens and the rules for giving testimony and the protecting and safeguarding of evidence. Prerequisite: CJ 101

CJ 238 Police Administration 3 CR
Emphasizes the formulation of policies, practices and procedures for the internal and external direction and control of the law enforcement agency. Prerequisite: CJ 101

CJ 240 Introduction to Security 3 CR
Discusses the historical, theoretical and legal bases of security, including the purpose of security in modern society, ethics and security, standards and goals for the security industry. Prerequisite: CJ 101

CJ 241 Security Organization and Administration 3 CR
Provides an understanding of the organization and administration of security functions within public or private organizations. Presents an overview of administrative procedures, corporate management structures and corporate management philosophy. Prerequisite: CJ 101
CJ 242 White-Collar Crime 3 CR
Examines the parameters and magnitude of white-collar crime and the literature that has been professed as explanation for it. 
Prerequisite: CJ 101

CJ 243 Private Security Law 3 CR
Examines the relationship between the law and private security operations and criminal law principles of particular concern to security personnel. 
Prerequisite: CJ 101

CJ 244 Security and Loss Prevention 3 CR
Surveys all aspects of loss prevention. Attention is given to the use of surveillance systems, alarm devices and protective services. 
Prerequisite: CJ 101

CJ 245 Computer Security 3 CR
Explores methods of detecting computer fraud and examines methods of protecting the computer and its peripherals. 
Prerequisite: CJ 101

CJ 246 Organized Crime 3 CR
Explores how organized crime is structured and how it can be controlled. The impact of organized crime on major crimes is also assessed. 
Prerequisite: CJ 101

CJ 250 Crisis Intervention for Public Safety Personnel 3 CR
Examines the concepts and techniques used by criminal justice practitioners in handling crisis situations. Deals with limited, on-site crisis intervention provided by those first to respond. 
Prerequisite: CJ 101

CJ 251 Criminal Courts and Discretion 3 CR
Examines the criminal courts as the fulcrum of the criminal justice system. Emphasis on the actual mechanics of the system and the decision making of its functionaries. 
Prerequisite: CJ 101

CJ 252 Comparative Criminal Justice Systems 3 CR
Examines how culture, history and economics influence legal systems and the treatment of offenders in various countries. 
Prerequisite: CJ 101

CJ 253 Criminal Justice Ethics 3 CR
Examines the fundamentals of ethical theory, controversies and rules of moral judgment as they relate to criminal justice practitioners. 
Prerequisite: CJ 101

CJ 254/SW 140 Perspectives on Family Violence 3 CR
Examines the effects and characteristics of family violence in today's society from the legal, medical and social perspectives. 

CJ 255 Constitutional Rights of Prisoners 3 CR
Examines the constitutional rights of prisoners focusing on recent Supreme Court rulings. The Eighth Amendment and its application to prisoners and prison officials are analyzed and discussed through court cases and current events. 
Prerequisite: CJ 101

CJ 256 Criminalistics 3 CR
An introduction to forensic science, this course examines the application of forensic science to criminal investigations as well as the techniques of the crime lab through actual and case histories. 
Prerequisite: CJ 101

CJ 257 Serial Killers and Profilers 3 CR
An introductory study of the topic of serial killers and criminal profiling. Analyzes both the individual and collective sociological, psychological and emotional aspects of serial killers in an effort to determine why they kill. 
Prerequisite: CJ 101

270 Issues and Problems in Criminal Justice 3 CR
Description and analysis of crucial issues and problems relating to selected structure and processes in the criminal justice system. 
Prerequisite: CJ 101

CJ 299 Special Topics in Criminal Justice 3 CR
Designates new or occasional courses that may or

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may not become part of the department's permanent offerings. Consult the current course schedule for available topics and prerequisites.

Prerequisite: CJ 101

CJ 320 Correctional Administration and Management 3 CR
A study of the principles and practices applied to administration and management within the field of corrections. Examines factors involved in correctional decision making. Prerequisite: CJ 101

CJ 321 Probation and Parole 3 CR
Teaches the application of probation, pardon and parole methods for both juveniles and adults. Analyzes the most effective methods and techniques as they apply to these services. Prerequisite: CJ 101

CJ 330 Police-Community Relations 3 CR
Examines various human relations issues that affect policing and police management. Also explores programs established by the police in community relations and community involvement in police policies. Prerequisite: CJ 101

CJ 339 Police Supervision 3 CR
A study of the procedures and techniques related to selection, placement, classification, pay, evaluation and discipline of police personnel. Detailed discussions on the responsibilities of first-level supervisors in management. Prerequisite: CJ 101

CJ 340 Physical Security Strategies 3 CR
Explores the partnership between private security and the public justice system and their attempts to reduce crime. Prerequisite: CJ 101

CJ/PO/LW 352 The First Amendment 3 CR
Examines U.S. Supreme Court cases involving the freedom of religion, speech, press, assembly and petition. Attention is given to the balance between liberty and an ordered society.

CJ 381 Research Methods in Criminal Justice 3 CR
Examines the methods of research and the types of data used to develop an understanding of criminal behavior and to create and change policy in the criminal justice system. Prerequisites: CJ 101, SO 101, CS 100 or Criminal Justice majors with Junior standing

CJ 390 Internship 6 CR
Supervised placement in a criminal justice agency. Prerequisite: Permission of program director

English
The major in English is concerned with the attempt to communicate, both orally and in writing. A variety of courses in literature, writing, speech/communications and drama is offered to develop skills for reading analytically, writing clearly and effectively, and expressing thoughts cogently, while providing a foundation experience in a broad spectrum of literature.

Selections from the wide range of courses within the major and its five concentrations, along with related studies in other areas, will prepare the English major for graduate school, for the professions (teaching, law, medicine), for business and industry (advertising, company writing, editing, personnel relations, press relations, sales) and for the arts (acting, radio/TV, journalism and cinema).

Faculty
Jeffrey Cain, Ph.D., Assistant Professor
Marian S. Calabrese, Ph.D., Associate Professor
David Curtis, Ph.D., Professor
Debra Danowski, Ph.D., Assistant Professor
Angela DiPace, Ph.D., Associate Professor
Sidney P. Gottlieb, Ph.D., Professor
Mark A. Hunter, J.D., Instructor
Michelle C. Loris, Ph.D., Professor
Robin L. McAllister, Ph.D., Associate Professor
Richard S. McKinnon, M.F.A., Assistant Professor
Judith D. Miller, Ph.D., Associate Professor
Roberta L. Staples, Ph.D., Professor
Sandra Young, Ph.D., Assistant Professor

Major in English
The major in English requires the completion of
39 or 40 credits and is organized to include the major core of 24 credits, plus 15 or 16 credits taken in one of five areas of concentration: Communications, English Education, Literature, Theater or Writing.

**Required Courses for All English Concentrations**

EN 121/122 The British Tradition I/II
EN 131/132 American Voices I/II
EN 265 Shakespeare
EN 275 Developing a Writing Voice
or
EN 375 Advanced Composition

Two Literature offerings from the 200 level or above, one of which must deal with literature written prior to 1900.

**Comprehensive Examination**

Upon successful completion (a grade of "C" or better in each course) of the four-course sequence of EN 121, EN 122, EN 131 and EN 132, English majors are required to take and pass a comprehensive examination administered by the Department to certify their acquisition of the fundamental knowledge and skills necessary to their continuance in the major. Failure to pass the examination necessitates a retesting at a subsequent date before advanced literature courses may be taken.

Students receiving a "D" in any one of the four courses are allowed to take the comprehensive examination. If they pass it, they will be allowed to proceed in the major but they will be required to take an additional upper-level literature course—beyond those required for the completion of the major—to make up for the course in which they earned the "D".

Students receiving a grade of "D" in two or more of the four courses or receiving a grade of "F" or "WF" in any one of them will not be permitted to take the comprehensive examination. They will need to retake the courses in which they earned those grades and pass them with a "C" or better to continue in the English major.

**Additional Required Courses for Communications Concentration**

CA 121 Advanced Effective Communication
Four courses from the following:
CA 131 Interpersonal Communication
CA 171 Acting I
CA/BU 221 Business Communications
CA 261 Public Speaking
CA 270 Nonverbal Communication
CA 280 Oral Interpretation of Literature
EN 375 Advanced Composition

**Additional Required Courses for English Education Concentration**

The concentration is used primarily by Education minors. Required courses:
EN 207 Introduction to English Language
EN 387 Children's Literature
or
MS 101 Introduction to Media Studies
Two electives from Communications or English offerings not required for major core

**Elementary Education**

EN 207 Introduction to English Language
EN/ED 387 Children's Literature
MS 101 Introduction to Media Studies
CA 280 Oral Interpretation of Literature
Elective

**Secondary Education**

EN 207 Introduction to English Language
MS 101 Introduction to Media Studies
EN 390 Literary Criticism
Elective
Elective

**Additional Required Courses for Literature Concentration**

EN 390 Studies in Literary Criticism: Special Topics.
Four courses from the 200-level or higher literature offerings exclusive of courses used to fulfill the English major core requirements
Students taking a concentration in literature are urged to elect advanced studies in related disciplines such as Fine Arts, History, Media Studies, Philosophy, Psychology and Religious Studies.

**Additional Required Courses for Theater Concentration**

CA 200 Introduction to Performance  
CA 273 Theater Workshop I or CA 274 Theater Workshop II  
CA 275 Theater Practicum I or CA 375 Theater Practicum II

Any three of the following:  
CA 141 Introduction to the Theater  
CA 161 History of Theater I  
CA 162 History of Theater II  
CA 171 Acting I  
CA 280 Oral Interpretation of Literature  
CA 380 Play Directing  
CA 399 Special Topics in Communications or Theater

**Additional Required Courses for Writing Minor**

Five courses from the following:  
EN 170 Journal Writing  
EN 171-179 Studies in Writing: Special Topics  
EN 175 Introduction to Creative Writing  
EN/MS 211 Introduction to News Writing and Reporting  
EN 275 Developing a Writing Voice  
EN/MS 311 News Writing and Reporting II  
EN/MS 333 Screenwriting  
EN/MS 370 Newspaper Publication  
EN 371-379 Studies in Writing: Special Topics  
EN 399 Independent Study/Internship

**Minor in English**

The minor in English requires the completion of 18 credits in one of four following areas of concentration: Communications, Literature, Theater and Writing.

**Required Courses for Communications Minor**

CA 121 Advanced Effective Communication  
Plus five other Communications courses chosen in consultation with an advisor

**Required Courses for Literature Minor**

Two courses in British literature, one course in American literature and three courses in Literature at the 200 level or above

**Required Courses for Theater Minor**

CA 141 Introduction to the Theater  
CA 161 Theater History I  
CA 162 Theater History II  
CA 275 Theater Practicum I  
CA 375 Theater Practicum II  
EN 265 Shakespeare  
Two courses selected from the following:  
CA 171 Acting I  
CA 271 Acting II  
CA 273 Theater Workshop I  
CA 274 Theater Workshop II  
CA 275 Theater Practicum I  
CA 375 Theater Practicum II  
EN 280 Oral Interpretation of Literature  
EN 230-239 Studies in Drama: Special Topics

**Required Courses for Writing Minor**

EN 375 Advanced Composition  
Four courses in Writing and one course in Literature at the 200 level or above.

**Associate in Arts General Studies Emphasis Requirements** (15 credits)

One British literature course, one American literature course and three English electives
Course Descriptions

Note: Students must complete the Sacred Heart University English Placement Proficiency Exam before they are allowed to register for English courses. Placement is based on a combination of high school GPAs, decile, rank, SAT and AP scores as well as on the three-part English Placement Proficiency Exam. The University's objective is to place every student in the appropriate English proficiency level in order to maximize student achievement and success.

Once placement has been determined, the student is obliged to accept his or her placement and course sequence. The University deems this policy crucial in meeting the needs of the student and his or her success in college.

Additional testing is required for students identified for English as a Second Language (ESL) placement.

EN 011 Introduction to Rhetoric 3 CR
Introduces the student to rhetorical strategies and techniques for clear and effective writing. Stresses the recursive nature of writing, encouraging students to think of writing as a means to generate thinking and enhance learning as well as to communicate. English Placement/Proficiency Exam required. Students must pass this course with a C or better.

EN 012 Rhetoric: The Research Paper 3 CR
Introduces the student to rhetorical strategies and techniques for clear and effective writing. Stresses the recursive nature of writing, encouraging students to think of writing as a means to generate thinking and enhance learning as well as to communicate. English Placement/Proficiency Exam required. Students must pass this course with a C or better. Prerequisite: EN 011

EN 019 Reading in an Academic Environment 3 CR
Focus is on developing reading skills appropriate to University study. Students learn to analyze structure in a piece of writing, find and articulate themes, and establish criteria for critical evaluation of an argument or thesis. Placement is by the department.

EN 101 Approaches to Literature 3 CR
An introduction to the experience of literature, including fiction, poetry and drama. Introduces critical techniques, critical and technical vocabulary and a broad spectrum of critical approaches. It also requires written work and introduces research tools specific to literature. Prerequisite: EN 011

EN 121 The British Tradition I 3 CR
From Beowulf to the Augustans, from Anglo-Saxon runes to Restoration comedy, this course features writings by Chaucer, Spenser, Shakespeare and Milton. Sophomore level, for English majors and minors. Does not satisfy Area B 1 Literature requirement.

EN 122 The British Tradition II 3 CR
From the Age of Reason to the Age of Anxiety. Course highlights romantic writers like Wordsworth and Keats, Victorians like Dickens and Arnold, modernists like Joyce and Woolf. Sophomore level, for English majors and minors. Does not satisfy Area B 1 literature requirement. Prerequisite: EN 121

EN 131 American Voices I 3 CR
From Plymouth Rock to Gettysburg, puritanism, federalism and American Romanticism are examined. Bradford, Edwards, Franklin, Poe, Emerson, Hawthorne and Whitman. Sophomore level, for English majors and minors. Does not satisfy Area B 1 literature requirement. Prerequisite: EN 101

EN 132 American Voices II 3 CR
Success and failure, triumph and tragedy. From the Gilded Age to the America of giant corporations and global supremacy. Writings of Twain, Dickinson, James, Hemingway, Morrison, Frost and Eliot are examined. Sophomore level, for English majors and minors. Does not satisfy Area B 1 literature requirement.
EN 170 Journal Writing 3 CR
A series of in-class private writing exercises aimed at self-discovery and tapping resources of creative energy. Class trips serve as the basis for descriptive journal writing exercises that stress description, narration, exposition and the editing process. Prerequisite: EN 012

EN 171–179 Studies in Writing: Special Topics 3 CR
A series of courses designed to meet the multitude of writing needs demonstrated by students in a variety of majors. Course topics include writing poetry, short story, fiction and nonfiction, freelance writing, corporate writing, journalism, etc. Advanced-level courses are offered under EN 371–379. Prerequisite: EN 012

EN 175 Introduction to Creative Writing 3 CR
Introduction to writing in three major forms of fiction: poetry, the short story and drama. Includes daily writing assignments with attention to the creative preferences of the individual student. Workshop atmosphere allows peer interaction and frequent student/instructor consultation. Prerequisite: EN 012

EN 201 Masterpieces in Literature 3 CR
Designed for students at the Sophomore level. Description varies each time it is offered. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 207 Introduction to English Language 3 CR
A survey of the major changes in structure, vocabulary and uses of the language from the earliest times to the present. Explores important findings of modern linguistic scholarship. Required for secondary education. Prerequisite: EN 012

EN/MS 211–311 News Writing and Reporting I and II 3 CR each
An introduction to basic news-writing and journalistic reporting principles. Concepts of journalism provide a format for analysis of the news media and responsibilities of a journalist in today's society. Workshop sessions attempt to utilize the concepts in practical work. Prerequisites: For EN/MS 211: EN 012 and MS 101; for EN/MS 311: EN/MS 211

EN 220 Introduction to Women's Studies 3 CR
An interdisciplinary course introducing feminist theory and practice. Course examines gender as an organizing force in our society and culture, in our language and literature, in our sense of self and in our personal relationships.

EN 225 Shakespeare's Sisters: Women Writers from the Middle Ages to the Present 3 CR
Literature written by women and examined through the lens of feminist literary theory. Some of the writers highlighted are Woolf, Morrison, Naylor, Bronte, Rosetti and Eliot. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 230–239 Studies in Drama: Special Topics 3 CR
The focus and content of the course vary each semester but a given semester may involve itself with a study of American drama or modern drama (1850–present), Theater of the Absurd, classical Greek drama, comedy, tragedy, Elizabethan/Jacobean drama, period courses or a specific dramatist theme. The course studies plays as literature meant for stage production. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 250 Literature in a New Land 3 CR
Focuses on Colonial American Writing: 1620–1800. Bradford, Edwards, Taylor and Franklin are studied. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 255 Early American Black Literature 3 CR
African-American literature from 1790 to 1900, including the slave narratives, the mockingbird school and folk poetry. Prerequisites: EN 101, or EN 122 and EN 132 for English majors
EN 256 The American Renaissance 3 CR
A study of transcendentalists, Hawthorne, Melville, Poe. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 257 Dickinson to Eliot 3 CR
Reveals much about America's "Gilded Age" and America's emergence into the modern world with its writers of the wasteland, the "lost generation." Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 258 Faulkner to Present 3 CR
Modern American literature in content and technique reflects 20th-century preoccupation with loss of faith, the rise of individual consciousness and the dilemma of radical alienation in an increasingly fragmented society. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 259 Shakespeare 3 CR
Explores a wide variety of plays from a literary as well as a theatrical perspective, with emphasis on Shakespeare's development as a dramatist and the relationship of his plays to their historical and cultural context. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 275 Developing a Writing Voice 3 CR
From the colloquial to the informal to the formal, this course examines the development of writing voice and explores the stylistic and rhetorical choices writers make to communicate meaning and knowledge. Prerequisite: EN 012

EN 280-289 Studies in World Literature: Special Topics 3 CR
Course description varies each time the course is offered. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 299 Special Topics in English 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses cover timely topics. An experimental alternative to existing courses. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics.

EN 310 British Literature to 1603 3 CR
Major works of British poetry and prose, beginning with Old English and Beowulf and expanding through the literature of the Middle Ages with special emphasis on Chaucer and Elizabethan poets. Some drama, exclusive of Shakespeare, is included. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 312 Seventeenth-Century British Literature 3 CR
Examines the works of Jonson, Donne, Herbert, Marvell, some of the lesser-known Metaphysical and Cavalier poets and Milton. Prose writings of Browne, Burton and Bunyan are also studied. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 313 Restoration and Eighteenth-Century British Literature 3 CR
Dryden, Pope, Swift and Johnson are read, as well as Restoration dramatists (Congreve, Etheredge, Wycherley) and early novelists (Defoe, Richardson, Fielding). Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 314 The Romantic Period in British Literature 3 CR
Emphasis on the literature written during and immediately after the French Revolution and England's ensuing war with France. The relationship between the individual and political, social and intellectual environments is studied. Blake, Wordsworth, Shelley and Keats are read. Prerequisites: EN 101, or EN 122 and EN 132 for English majors

EN 315 The Victorian Period in British Literature 3 CR
Explores the literature of Tennyson, Browning, Arnold, Dickens, Eliot, Newman, Ruskin, Pater,
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Swinburne and others. Focuses on major writers of the period (1830–1901) beginning with the poetry and concluding with studies in the Victorian novel. **Prerequisites:** EN 101, or EN 122 and EN 132 for English majors

†EN 316 Twentieth-Century British Literature 3 CR
Addresses modernism as it is shaped and constructed in the classic texts of Conrad, Woolf, Yeats, Joyce, Lawrence and others. **Prerequisites:** EN 101, or EN 122 and EN 132 for English majors

†EN 320–329 Studies in Poetry: Special Topics 3 CR
Course description varies each time the course is offered. **Prerequisites:** EN 101, or EN 122 and EN 132 for English majors

EN/MS 333 Screenwriting 3 CR
An introduction to writing for fiction and nonfiction film and television. Topics include basic dramatic theory, narrative structure, characterization, dialogue, adaptation and the unique demands of the audio/visual media, as well as pragmatic matters of format and the marketplace. **Prerequisite:** EN 012 and MS 101

†EN 340–359 Studies in Fiction: Special Topics 3 CR
Course description varies each time the course is offered. **Prerequisites:** EN 101, or EN 122 and EN 132 for English majors

EN/MS 370 Newspaper Publication 3 CR
Introduction to newspaper publication provides editing and publications practice. Emphasis on copy selection, copy editing, story placement, headline writing, use of art, page layout, copy fitting and use of stylebooks. In addition, issues affecting newspaper production are discussed including libel, production economics and legal restrictions such as copyright and First Amendment rights. **Prerequisite:** EN/MS 211 or permission of instructor

EN 371–379 Studies in Writing: Special Topics 3 CR
A series of courses designed to meet the multitude of advanced writing needs demonstrated by students in a variety of majors. Course topics include poetry, short stories, fiction and nonfiction writing, freelance writing, corporate writing, journalism, etc. **Prerequisite:** EN 012 or permission of instructor

EN 375 Advanced Composition 3 CR
Explores writing strategies beyond the introductory level. Stresses refining style, finding a voice, determining an audience and discovering the rhetorical strategies appropriate for particular genres. This course is a workshop; students write and revise in class. **Prerequisite:** EN 012

†EN 384–385 Studies in Black Literature: Special Topics 3 CR
A detailed study of such Black authors as Hughes, Wright, Ellison, Brooks, Baldwin, Baraka and others with attention to selected themes in four genres. **Prerequisites:** EN 101 or EN 122 and EN 132 for English majors

†EN 386 Black Writers in America 3 CR
A consideration of Black writers from Dunbar and Chesnutt to the present. Study of Harlem Renaissance writers, including Wright, Ellison, Hayden, Brooks, Tolson, Baldwin, Baraka and the Black arts movement. Emphasis on the relation of the works to traditional images of Blacks in America and to themes found in American literature as a whole. **Prerequisites:** EN 101, or EN 122 and EN 132 for English majors

EN/ED 387 Children's Literature 3 CR
A survey of children's literature, including an introduction to the mythology and folklore of the world. Attention given to techniques of motivating children to enjoy stories. Required for all elementary education students. Satisfies a Literature elective component in the English major for elementary education students only. Will not satisfy area B-1 Literature requirement. **Prerequisite:** EN 101

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ED 388 Young Adult Literature 3 CR
A survey of adolescent and young adult literature, including an introduction to the mythology and folklore of the world. Consideration given to the techniques of teaching literature to young people. Required for all secondary education students in English. Satisfies a Literature elective component in the English major for secondary education students only. Prerequisite: EN 101. Will not satisfy area B-1 Literature requirement.

EN 390 Studies in Literary Criticism: Special Topics 3 CR
Course description each time course is offered. Prerequisite: EN 101

EN 391 British Literature Seminar 3 CR
Studies the works of and criticism written on a single British author. Limited enrollment. Prerequisite: Permission of the department chairperson

EN 392 American Literature Seminar 3 CR
Studies the works of and criticism written on a single American author. Limited enrollment. Prerequisite: Permission of the department chairperson

EN 398 Senior Seminar 3 CR
Open to qualified seniors by invitation of the Department of English. Course enables students to synthesize their understanding of English and American literature through the study of selected problems in literature and literary criticism.

EN 399 Independent Study 1-3 CR
Work on a special topic to be arranged with an instructor who will direct this work. Permission of the department chairperson is granted to qualified English majors on the basis of a written prospectus. By special arrangement.

English as a Second Language

EF 009-010 Intensive English as a Second Language I, II Non-credit
The beginning and high-beginning levels of English as a Second Language, these are intensive, eight-week courses. Basic oral and written communication skills in English are developed through proven methods of language instruction and the use of video, audio, short stories, computer software and the Internet. Work in the multimedia language lab is required.

EF 011 Intensive English as a Second Language III 4 CR
The low-intermediate level of English as a Second Language, this is an intensive eight-week course. Students participate in pair, small and large group activities. In addition, they attend some University lectures. Written work is at the multiparagraph level, leading to the publication of a newsletter. Materials used include mini-lectures on tape, authentic popular literature, news articles and broadcasts, computer software and the Internet. Work in the multimedia language lab is required.

EF 012 English as a Second Language IV 4 CR
The intermediate level of English as a Second Language, this semester course further refines reading, writing, listening and speaking skills in English through the use of authentic literature, writing portfolios, computer software and the Internet. Written work focuses on paragraph development, as students learn to become proficient in the writing of academic essays. Work in the multimedia language lab is required.

EF 051-052 English as a Second Language V, VI 3 CR
The high-intermediate and advanced levels in English as a Second Language, these courses are designed to strengthen the student's academic reading and writing skills. Focus is on writing the well-developed essay with stress placed on the appropriate elements of grammar, syntax, vocabulary development and strategies for reading college-level texts. Oral and aural skills are emphasized. Work in the multimedia language lab is required.
Environmental Science

The Environmental Science program focuses on the interaction among the aquatic, atmospheric, terrestrial, living and anthropological environments. The students in this program explore the human impact on the environment and how to deal with it. The curriculum of the program is interdisciplinary. It draws from the basic science disciplines of chemistry, biology, physics, math and sociology. These basic science disciplines are then integrated within the environmental science discipline. Such integration is necessary to describe the interaction between various components of the environment and to create a solid Environmental Science program that provides the students with comprehensive undergraduate training.

Because of the nature of the environmental problems, the curriculum emphasizes a practical approach in order to teach the students how to deal with environmental issues. The practical curriculum includes hands-on laboratory experiments, field testing and measurements, field trips and dynamic interaction with industries and regulating agencies via seminars and internship programs. The program is an advocate of sustainable development, quality of life for all based on renewable resources, equitable sharing of benefits and life in harmony with nature. Students are urged to become involved leaders individually and collectively and to work positively to protect and improve our local and global environment.

Faculty
Eid A. Alkhatib, Ph.D., Associate Professor, Director of the Program

Supporting Faculty, Chemistry
Linda Farber, Ph.D., Assistant Professor
Babu George, Ph.D., Professor
Dhia A. Habboush, Ph.D., Professor
Hiroko Shimada, Ph.D., Assistant Professor
Penny A. Snetsinger, Ph.D., Associate Professor

Supporting Faculty, Biology
Shannon E. Brightman, Ph.D., Associate Professor
Suzanne Deschênes, Ph.D., Assistant Professor
William T. Gnewuch, Ph.D., Associate Professor
Jennifer Mattei, Ph.D., Assistant Professor
Carol D. Schofield, Ph.D., Associate Professor
Jacques Veilleux, Ph.D., Assistant Professor

Supporting Faculty, Physics
Marlina Slamet, Ph.D., Assistant Professor

Laboratories
There are currently six equipped chemistry labs, five biology labs, a physics lab and an environmental lab serving the needs of the program. Many of the state-of-the-art instruments are available to environmental science students such as GC/MS, FTIR Spectrometer, Ultraviolet/Visible Spectrophotometer, infrared Spectrophotometer, Graphite Furnace Atomic Absorption Spectrometer and other field sampling and testing equipment.

Major in Environmental Science
This curriculum for the Environmental Science degree requires the completion of 40 credits in basic sciences and 18 credits in environmental science.

Required Environmental Science Courses
BI 111 Concepts of Biology I
BI 112 Concepts of Biology II
BI 113 Concepts of Biology I Laboratory
BI 114 Concepts of Biology II Laboratory
BI 350 Ecology
CH 151 General Chemistry I
CH 152 General Chemistry II
CH 153 General Chemistry I Laboratory
CH 154 General Chemistry II Laboratory
EV 221 Introduction to Environmental Science
EV 223 Environmental Science Laboratory
EV 331 Water and Wastewater Treatment Systems
EV 332 Environmental Sampling and Analysis
EV 333 Environmental Sampling and Analysis Lab
EV 338 Toxicology
EV 342 Senior Environmental Seminar
Three elective Environmental Science courses

**Required Supporting Courses**
CH 220 Organic Chemistry
CH 223 Organic Chemistry Laboratory I
Three elective Basic Science courses

Additional required courses, including MA 131 (Statistics for Decision Making), MA 151 (Introductory Calculus), PY 111, PY 112, PY 113, PY 114 (General Physics I and II lecture and lab), EC 201 or EC 202 (Principles of Economics I or II) and PO 121 (Introduction to American Government) or PO 212 (American State and Local Government) and CS 100 (Introduction to Information Technology) may be met through the core curriculum.

**Course Descriptions**

**EV 221 Introduction to Environmental Science** 2 CR
Overview of global and local environmental concerns. Emphasis on the human environment and the impact of human life upon it. Topics discussed include ecosystems, energy, resources and pollution control. **Prerequisites:** CH 152 and BI 112; **corequisite:** EV 223

**EV 222 Environmental Ethics** 2 CR
Investigates the philosophical questions and ethical issues that arise in the preservation of the environment. Formulation, administration and interpretation of environmental regulation and policy are studied. Individual, community, government and the private sector and the roles they play in dealing with environmental issues are also covered. **Prerequisite:** EV 221

**EV 223 Environmental Science Laboratory** 1 CR
Covers general laboratory and field experiments designed for evaluating environmental quality parameters in water, air and soil. **Corequisite:** EV 221

**EV 331 Water and Wastewater Treatment Systems** 3 CR
Explores the development of water quality standards. Discusses the concepts and design of physical, chemical and biological treatment processes and their application to water and wastewater purification systems. **Prerequisites:** EV 221, CH 220 and MA 151

**EV 332 Environmental Sampling and Analysis** 2 CR
Discusses methods and protocols of environmental sampling and analysis in water, air and biological matrices. Addresses EPA quality assurance and quality control plans. **Prerequisites:** EV 221, CH 220; **corequisite:** EV 333

**EV 333 Environmental Sampling and Analysis Laboratory** 2 CR
Provides laboratory and fieldwork, including sampling of surface water and groundwater, chemical and biological analyses of water, monitoring techniques, wastewater effluent control and detection of hazardous contaminants. **Corequisite:** EV 332

**EV 334 Environmental Hydrology** 3 CR
Emphasizes concepts related to water resource management, including hydrologic cycle, water budget, hydrologic measurements and monitoring, surface hydrology, groundwater hydrology, hydrologic modeling and groundwater pollution. **Prerequisites:** EV 221 and MA 151

**EV 335 Air Pollution** 3 CR
Explores the sources and characteristics of urban-industrial air pollution, allowable concentrations and control of air pollution, stack emissions, chemical supplements in air pollution control, diffusion of pollutants, site selection and abatement programs. **Prerequisite:** EV 221
EV 336 Waste Disposal and Management 3 CR
Explores the types, sources, treatment and disposal of hazardous and solid wastes; conservation and reuse of material; economics of waste treatment, disposal and reuse. **Prerequisite:** EV 221

EV 337 Environmental Regulations 2 CR
Focuses on the administration agencies that promote environmental, health and safety goals at all levels of government. Discusses environmental regulations dealing with air, water and soil pollution such as the Clean Water Act (CWA), the Clean Air Act (CAA), and the Resource Conservation and Recovery Act (RCRA). **Prerequisite:** EV 221

EV 338 Toxicology 2 CR
Investigates the effects and interaction of toxic chemical species on organisms and biological tissues. Also explores various toxic test methods and risk assessment. **Prerequisites:** EV 221 and CH 220

EV 341 Environmental Research Project/Internship 1–3 CR
Advanced work on a special subject in the area of environmental science. The student selects a particular subject area in consultation with a supervising faculty member. **Prerequisite:** Junior or Senior standing

EV 342 Senior Environmental Seminar 1 CR
Series of presentations on current environmental research and issues. Speakers from environmental agencies, industries and faculty. A final oral presentation on a selected environmental topic is required from each student. **Prerequisite:** Senior standing

**European Studies**

**European Studies Minor**
The multidisciplinary European Studies minor allows students to concentrate on a broad study of Europe in all its dimensions: history, politics and government, business, economics, language and literature. The focus of this minor will be on contemporary, 20th-century Europe. The minor will require 18 credit hours, with at least 3 credits from four areas:

- Political Science
- History
- Economics or International Business
- Language or Literature

The courses listed below qualify for the above requirements:

- BU/IB 203 Intercultural Management
- BU/IB 278 Principles of International Business
- EC 322 International Economics
- EC 325 European Economic Community
- EC 342 European Economic Development
- EN 316 Twentieth-Century British Literature
- EN 343 Studies in Fiction: Women Writers in Modern European Narrative
- FR 280 French Civilization and Culture
- FR 353–359 Topics in French/Francophone Film
- FR 365–369 Topics in French/Francophone Culture
- FR 375–379 Topics in French/Francophone Literature
- HI 214 French Revolution and Napoleon
- HI 218 Modern France
- IT 280 Italian Civilization and Culture
- IT 353–359 Topics in Italian Film
- IT 363–369 Topics in Italian Culture
- IT 373–379 Topics in Italian Literature
- PO 302 Development of Modern Political Theory
- PO 303 Modern Political Ideologies
- PO 311 Comparative Western European Politics
- PO/EC 313 The Politics of European Integration
- PO 341 International Law
- SP 280 Hispanic Civilization and Culture: Spain
Language
It is strongly advised that students follow the BA degree with the requirements of a modern foreign language. A sufficient understanding of foreign languages is an important aspect of this program. Therefore, three credit hours in language will only be accepted after completion of introductory-level courses.

Global Studies
Global Studies Minor
The interdisciplinary 18-credit minor in global studies is designed to prepare students for a rapidly changing, increasingly complex and global interdependent world. The Internet, multinational corporate power, international trade and international peacekeeping commitments, political and economic organizations of global magnitude, as well as the migration and integration of population groups from diverse religious, cultural and ethnic backgrounds, are clear indicators of a planet in a state of dramatic transition. Economics, politics and more generally the people of this world are becoming closely linked and interconnected. Sacred Heart's Global Studies minor is therefore a timely practical response to the unpredictable, but exciting, challenges of the 21st century.

Requirements
Students who minor in Global Studies must complete six courses, for a total of 18 credits, including two approved courses from three of the following four groupings: Anthropology, Sociology or Criminal Justice; Economics; History; or Political Science. Students should consult the global studies fact sheet for identification of courses that apply to the minor requirements.

Groupings and Course Work
Anthropology/Sociology/Criminal Justice
AN 102 Cultural Anthropology
AN 201 World Cultures
CJ 252 Comparative Criminal Justice Systems

Economics
EC 303 Global Macroeconomics
EC 322 International Economics
EC 325 European Economic Community

History
HI 207 History of Latin America to 1826
HI 208 History of Latin America since 1826
HI 236 History of the Arab World I: From Muhammad to the Ottoman Empire
HI 238 The Modern Arab World
HI 281 Introduction to the Civilization of East Asia
HI 283 The History of Modern China

Political Science
PO 122 Introduction to International Relations
PO 240 War
PO 241 Peace
PO 242 International Organizations
PO 311 Comparative Western European Politics
PO 312 Comparative Eastern European Politics
PO 313 The Politics of European Integration
PO 314 Middle East Politics
PO 341 International Law

Students who minor in Global Studies should pursue the BA degree in the interest of obtaining proficiency in a foreign language.

History
The History degree opens doors to many career possibilities. Although teaching has been a frequent goal in the past, the History major provides excellent preparation for a career in law, politics, business, government, journalism, foreign service, curatorship or many other fields. The analytical ability to think and solve problems and the breadth of knowledge that a major in History imparts are qualities sought in today's world.

The student of history not only acquires knowledge, but also skills in research, analysis, judgment of evidence and the organization and expression of ideas.
Faculty
Thomas D. Curran, Ph.D., Associate Professor
Charlotte M. Gradie, Ph.D., Professor
John B. Roney, Ph.D., Professor
Paul Siff, Ph.D., Associate Professor

Major in History
A major in History requires the completion of 33 credits.

Required Courses
HI 121 United States History to 1865
HI 122 United States History since 1865
HI 201 Historical Method and Criticism
HI 398 Senior Seminar

Seven history electives, including at least one in each of the following areas: Europe, Latin America and East Asia

Minor in History
A minor in History requires the completion of the following 18 credits:

Required Courses
HI 121 United States History to 1865
HI 122 United States History since 1865

Four History electives, including one in each of the following areas: Europe, Latin America and East Asia

See also Minors in European Studies, Global Studies and Latin America.

Associate in Arts General Studies
Emphasis Requirements (15 credits)
HI 121 United States History to 1865
HI 122 United States History since 1865

Three History electives including one in each of the following areas: Europe, the Far East and Latin America

Course Descriptions
HI 101 Civilizations 3 CR
Brings the student into contact with the complexities of human history through a study of various topics and themes selected from major civilizations. The approaches utilized vary from a consideration of political structures to the examination of art, literature and popular culture.

†HI 121 United States History to 1865 3 CR
Examines American development from the period of exploration to the conclusion of the Civil War. Major themes include colonial society, the Revolution, 19th-century expansion and economic growth, slavery and the War for the Union.

†HI 122 United States History since 1865 3 CR
Analyzes United States development from Reconstruction to the present, examining major social, political, economic and foreign policy developments and their impact on American life.

†HI 128 History of American Business Enterprise 3 CR
Examines the development of business enterprise in America. Topics include the entrepreneur, rise of business specialization, the corporate form and “big” business, innovations in management and marketing, interplay of business enterprises and other aspects of American society.

†HI 129 History of Sports in America 3 CR
Examines the development of major spectator sports in America from their fragmentary, localized beginnings to their highly organized and enormously powerful present condition.

†HI 201 Historical Method and Criticism 3 CR
An introduction to the history of historical thinking and writing, the contemporary field of historical methods and theories and the research tools and skills necessary for the study of history and the writing of papers and essays.
†HI 207 History of Latin America to 1826 3 CR
Examines the Spanish and Portuguese conquest and empire building, culture and society during the colonial age and the disintegration of the empires by 1826.

†HI 208 History of Latin America since 1826 3 CR
Examines the historical development of Latin America beginning with the wars of independence to the end of the 20th century. Topics include Latin America and the world economy, 20th-century revolutions, the emergence of mass politics, the changing role of religion and foreign nations.

HI 209 The U.S. and Latin America through History 3 CR
Traces the connections between the two regions from the colonial period to the present. Topics covered include political, economic and diplomatic relations, border conflicts, immigration, and questions of identity.

HI 210 Central American Conflicts 3 CR
Examines problems in the historical development of Central America in the 20th century, including ideological and military conflicts, underdevelopment and dependency, challenges faced by indigenous people, options for change offered by the left, neo-liberalism and the Catholic Church.

†HI 211 Discovery and Conquest, 1492–1598 3 CR
Examines the major themes of the Spanish conquest and colonization of the Americas from Columbus's discovery of the New World in 1492 to the death of Philip II in 1598. Topics include Spanish and Indian worldviews, biological and demographic consequences of contact, development of a conquest culture in the Americas and the role of missionaries and conquistadors.

†HI 212 Twentieth-Century Latin America 3 CR
An in-depth study of the changes in Latin America during the 20th century. Examines the major issues from the Mexican Revolution of 1910 to the Cuban Revolution of 1959 as well as current problems. Topics include dependency, Marxism, Peronism, and social and political change in the region.

†HI 214 French Revolution and Napoleon 3 CR
Traces the path of the French Revolution from its origins through each of its political phases from 1789 to 1799. It culminates with the rise of Napoleon Bonaparte, his achievements and failures and the end of the empire in 1815.

†HI 216 Princes to Peasants 3 CR
A survey of European social history from the 14th century to the late 19th century. Emphasis on the household and family, gender, social class and rank, the body and death and material and daily life.

HI 218 Modern France 3 CR
Follows the political, economic and religious developments from 1789 to the 1960s. It examines the last monarchy under Louis Philippe, the rise of democracy by 1848 and numerous political factions and World War I and II, culminating in the person of Charles de Gaulle. Attention is given to continuity and change to understand the character of France.

HI 225 African-American History 3 CR
Examines the forced migration of Africans to America, the condition and nature of slavery, abolitionism, emancipation, twilight zone of freedom, growth of civil rights and Black Power movements.

†HI 228 The Immigrant Experience 3 CR
A comparative, historical study of American immigration focusing on motives for immigration, patterns of settlement, adjustment and subsequent generational experience of successive immigrant groups.
†HI 236 History of the Arab World I: From Muhammad—Ottoman Empire 3 CR
A study of the rise of Islam and the emergence of the Arabs as a world power. Discussion focuses on the achievements of Muhammad, the institution of the caliphate, Umayyad and Abbasid empires, Crusades and decline of Arab influence in the Near East under the pressure of Turkish expansion.

†HI 238 The Modern Arab World 3 CR
This course begins with the breakup of the Ottoman Empire and delineates the rise of the Arab states in recent times.

†HI 252 Medieval Europe 3 CR
Topics include Feudalism and Christendom, Islam and the Crusades, the Carolingian Empire and the rise of national states. Important elements include art and architecture, cosmology and alchemy, hierarchy, the rise of the early Renaissance, as well as different types of work and "callings."

†HI 254 The Renaissance and Reformation 3 CR
A study of the transition from medieval to modern society through investigation of political, social, economic, religious and cultural factors involved in the change.

†HI 274 Contemporary America: 1929 to the Present 3 CR
Discusses the Depression, achievements and shortcomings of the New Deal, the United States in world affairs from isolation to global involvement and the evolution of American life since World War II.

†HI 275 The Worker in American Life 3 CR
Examines the evolution of work and the workplace, the working classes and labor organization from the origins of the American colonies to the present day.

†HI 276 The Rise of Modern Science 3 CR
Starting with their origins in the Scientific Revolution of the 16th century, this course presents the major scientific developments in Western life and their impact on society. Topics include the Copernican Universe, Darwinian biology and several major scientific advancements in the 20th century.

†HI 281 Introduction to the Civilization of East Asia 3 CR
An overview of the history of China and Japan from prehistoric times to the late traditional period (approximately 1800). Intended to enhance students' appreciation of the uniqueness and coherence of these two ancient civilizations.

†HI 282 East Asia in the Modern World 3 CR
Traces the history of China and Japan from approximately 1800 to 1950. Special attention is paid to each nation's struggle for modern development.

†HI 283 The History of Modern China 3 CR
Presents the history of modern China from approximately 1800 to 1920 emphasizing the decay of traditional culture and the Chinese response to the West.

†HI 285 China in Revolution 3 CR
Examines the history of 20th-century China focusing on the rise to power of the Chinese Communist Party and its efforts to transform China into a modern nation.

†HI 287 The Holocaust 3 CR
Explores man's inhumanity to man as exemplified by the Nazi murder of two-thirds of European Jewry. Historical, psychological, sociological and literary themes; prejudice in general and anti-Semitism in particular are studied and followed by an inquiry into the Nazi years.

HI 299 Special Topics in History 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as
appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics.

**HI 300 The Vietnam War** 3 CR
A survey of the war in Vietnam emphasizing the colonial origins of the conflict, United States and Vietnamese strategies and the causes of the American defeat.

**HI 322 U.S. Foreign Policy** 3 CR
Evolution and expansion of American foreign policy from the Revolutionary period to the present. Analyzes the aims of foreign policy, influences upon it and its impact on the nation's domestic politics.

**HI 391 Internship Program** 3–6 CR
Offers qualified students supervised field experience in an area allied with their own interests. Internships are arranged in advance of the semester they are to be taken. **Prerequisite:** Permission of the instructor.

**HI 398 Senior Seminar** 3 CR
Students are exposed to the experience of researching, writing and defending a major historical project. Permits students to learn, on a one-to-one basis with a project director, the importance of critical analysis and writing within the disciplines of history.

**HI 399 Independent Study** 1–3 CR
Directed study of a specific, well-defined topic, by special arrangement with an instructor and with the prior approval of the department chairperson.

### Latin American Studies

#### Latin American Studies Minor

In keeping with students' interest in global and multicultural issues, Sacred Heart University offers an interdisciplinary minor in Latin American Studies. The minor should be particularly attractive to students majoring in Economics, History, Political Science, Business and International Business and Spanish. This minor is also of benefit to students who wish to apply to a graduate program in Latin American Studies or who wish to enhance their prospects in the job market by linking a disciplinary major with a regional specialization.

#### Requirements

Requirements include six courses, three of which must be from three different disciplines selected from approved courses in Anthropology, Economics, English, History, Music, Political Science and Spanish. Students must demonstrate competency in Spanish or Portuguese at the intermediate level.

#### Approved Courses

**Anthropology and Sociology**

- AN 235 Tribal Peoples and Industrial States
- AN 240 Urbanism and Urban Development

**Economics**

- EC 323 Economic Stabilization Programs in Latin America
- EC 299 The Economics of Income Distribution and Growth in Latin America

**Fine Arts**

- MU 114 Latin American and Caribbean Music

**History**

- HI 207 History of Latin America to 1826
- HI 208 History of Latin America from 1826
- HI 209 The U.S. and Latin America Through History
- HI 210 Central American Conflicts
- HI 212 Twentieth Century Latin America

**Political Science**

- PO 315 Latin American Politics

**Spanish**

- SP 281 Hispanic Civilization and Culture: Spanish America
- SP 282 Puerto Rico: Su Lengua y su Cultura
- SP 2893 The Hispanic Caribbean
- SP 365-369 Advanced Topics in Spanish-America Literature
Mathematics

The primary objective of the Mathematics program is to provide an appropriate mathematical background to all University students, focusing on the ability to think critically and solve problems through oral and written communication, in order to foster quantitative literacy.

In addition, the Mathematics program is designed to:

1. Provide Mathematics majors with the basic undergraduate mathematical knowledge necessary for graduate studies, a teaching career or a variety of statistical or business careers.
2. Provide Science and professional majors with the mathematical and statistical background for their fields and highlight the wide applicability of mathematics.
3. Provide Business majors with a foundation in finite mathematics and calculus and illustrate the relevance of mathematics to increasing complexities of the business world.
4. Provide Liberal Arts majors with an introduction to mathematical ideas and promote an appreciation and understanding of the important role of mathematics.

The strengths of the department include small class sizes in developmental and major courses, emphasis on student/faculty interaction and classroom instruction utilizing relevant software and technology.

Sacred Heart University is an institutional member of the Mathematical Association of America, as well as the American Mathematical Society.

Faculty

Kevin K. Blount, M.S., Assistant Professor
Yevgeniy V. Galperin, Ph.D., Assistant Professor
Hema Gopalakrishnan, Ph.D., Assistant Professor
Robert Gregorski, M.S., Instructor
Kathleen O. Kingston, Ph.D., Assistant Professor
Rose Marie B. Kinik, M.A., Assistant Professor

Peter Loh, Ph.D., Associate Professor
Jason Molierno, Ph.D., Assistant Professor
Jean T. Sells, Ph.D., Associate Professor
Jean Silva, M.A., Instructor

Major in Mathematics

The Mathematics major requires the completion of 40 mathematics credits plus 8 credits in calculus-based physics

Required Courses

MA 151 Calculus I
MA 152 Calculus II
MA 253 Calculus III
MA 261 Linear Algebra
MA 301 Mathematical Structures and Proofs
MA 331 Probability and Statistics
MA 354 Differential Equations
MA 362 Abstract Algebra
MA 371 Real Analysis
MA 399 Senior Seminar in Mathematics

In addition to the required courses, the Mathematics major must choose two of the following electives:

Electives

MA 311 Geometry
MA 320 Graph Theory
MA 332 Probability and Statistics II
MA 372 Complex Analysis.

Required Supporting Courses

PY 151/153 Principles of Physics I and Lab
PY 152/154 Principles of Physics II and Lab

Minor in Mathematics

The minor in Mathematics requires the completion of the following 19 credits:

Required Courses

MA 151 Calculus I
MA 152 Calculus II
MA 253 Calculus III
MA 261 Linear Algebra
MA 331 Mathematical Probability and Statistics I

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Associate in Arts General Studies
Requirements (16 credits)
MA 140 Precalculus
MA 151 Calculus I
MA 152 Calculus II
MA 261 Linear Algebra

Course Descriptions
MA 006 Intermediate Algebra 3 CR
Explores the real number system, exponents and radicals, polynomials, rational expressions, linear and quadratic functions and their graphs. Does not carry degree credit. A grade of C or better is required. Prerequisite: Mathematics Placement Exam

†MA 101 Modern College Mathematics I 3 CR
Examines systems of numeration, the real number system, finite mathematical systems, number theory, sequences and basic financial mathematics. Prerequisite: C or better in MA 006 or Mathematics Placement Exam

†MA 102 Modern College Mathematics II 3 CR
Systems of linear equations, inequalities, probability and introductory statistics.

MA 105 Mathematical Applications for Health Sciences 3 CR
Designed exclusively for Nursing and Respiratory Care students. Topics include college-level algebra, graphing, basic trigonometric functions and appropriate applications for the health sciences. It is a problem-solving approach to mathematics. Prerequisite: C or better in MA 006 or Mathematics Placement Exam

†MA 109 Mathematics for Decision Making 3 CR
Designed specifically for the Business major. Focus on linear functions, systems of equations, matrices, probability and linear programming. Prerequisite: C or better in MA 006 or Mathematics Placement Exam

†MA 110 Calculus for Decision Making 3 CR
Designed specifically for the Business major. Includes study of limits; differentiation of algebraic, exponential and logarithmic functions; integration; and applications of calculus. Prerequisite: MA 109

†MA 131 Statistics for Decision Making 3 CR
Emphasizes the use of computer software. Descriptive statistics, probability distributions, confidence intervals, correlation and hypothesis testing are studied. Prerequisite: Mathematics Placement Exam

MA 133 Business Statistics 3 CR
Introduces statistics to Business majors. Problem-oriented course discussing the use of statistics, frequency distribution, probability sampling, hypothesis testing, correlation analysis, linear regression analysis and graphic representation of statistical data using Excel. Prerequisite: C or better in MA 109 and MA 110

†MA 140 Precalculus 4 CR
Addresses the algebra of functions, polynomial and rational functions, exponential and logarithmic functions and trigonometric functions, including analytical trigonometry. Prerequisite: Mathematics Placement Exam

†MA 151 Calculus I 4 CR
Explores limits and approximation, differential and integral calculus of the elementary algebraic and trigonometric functions, applications of differentiation, integration and area. Prerequisite: MA 140 or Mathematics Placement Exam

†MA 152 Calculus II 4 CR
Covers applications and methods of integration, inverse functions, improper integrals, sequences and series, parametric representation and polar coordinates. Prerequisite: MA 151
MA 253 Calculus III 4 CR  
Introduces three-dimensional analytic geometry, multivariable calculus, real-valued functions of several variables, limits and continuity, partial derivatives, multiple integration, linear differential equations with constant coefficients and systems of differential equations. **Prerequisite:** MA 152

MA 261 Linear Algebra 4 CR  
Focuses on sets and linear mappings, vector spaces and subspaces, inner product spaces, matrix theory, determinants and eigenvalues. **Prerequisite:** MA 151

MA 299 Special Topics in Mathematics 3 CR  
Designates new or occasional courses on a timely topic or a faculty member's particular interest. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

MA 301 Mathematical Structures and Proofs 3 CR  
Introduces students to the understanding and creation of rigorous mathematical arguments and proofs. Includes methods of proof, set theory, relations and functions, properties of the integers, real and complex numbers and polynomials. **Prerequisite:** MA 152

MA 311 Geometry 3 CR  
DesIGNED specifically for students interested in education. Includes study of axiomatic systems, Euclidean and non-Euclidean geometry, finite projective geometry, incidence and separation properties in 2 and 3 space, and inversion in a circle and in a sphere. **Prerequisite:** MA 151

MA 320 Graph Theory 3 CR  
Functions on structures and properties of graphs and their applications. Topics include: traversability, trees, connectivity, network flow, graph coloring, chromatic number and planarity. Discussion of application of graph theory to computer science, transportation, scheduling, communication, chemistry and a variety of other fields.

MA 331 Probability and Statistics I 3 CR  
Addresses probability, discrete random variables and their distributions. Applied approach to estimation, correlation, regression and hypothesis testing. **Prerequisite:** MA 152

MA 332 Probability and Statistics II 3 CR  
Focuses on continuous random variables and their distributions, multivariate distributions, expectation, theory of estimation, method of moments and of maximum likelihood. **Prerequisites:** MA 253 and MA 331

MA 354 Differential Equations 3 CR  
Focuses on equations involving functions and one or more of its derivatives. Examines first-order differential equations, numerical and qualitative techniques for solving differential equations, linear systems, geometry of linear systems, and applications to forcing/resonance. If time permits, the course will address the Laplace Transform, convolutions, and advanced numerical methods for solving differential equations.

MA 362 Abstract Algebra 3 CR  
Explores algebraic systems, group theory, quotient structure, isomorphism theorems, ring theory and ideals, as well as integral domains and fields. **Prerequisite:** MA 261.

MA 371 Real Analysis 3 CR  
Addresses real numbers, cardinality, metric spaces, convergence, topology, continuity and differentiability. **Prerequisites:** MA 261 and MA 355

MA 372 Complex Analysis 3 CR  
Examines the algebra and geometry of complex numbers, analytic functions, integration, Taylor and Laurent series, contour integration, analytic continuation and conformal mappings. **Prerequisite:** MA 371
MA 399 Senior Seminar in Mathematics 3 CR
Capstone course for the mathematics major. Each student works on a research project leading to an oral presentation and the writing of a formal paper. Prerequisite: Senior standing

Media Studies
Media Studies is a program offering a major that combines the study of communications theory and technology with the liberal arts and which examines the theories behind contemporary communication in print journalism, radio and television broadcasting, still photography, film, digital media and the Internet.

The program recognizes that the student must be competent in techniques of production and must understand the historical, social and philosophical aspects of media. Media courses aimed at developing basic competence in multimedia production are an integral part of the program.

Faculty
James Castonguay, Ph.D., Assistant Professor
Sidney Gottlieb, Ph.D., Professor
Andrew Miller, M.A., Instructor
Louise Spence, Ph.D., Associate Professor

Media Studies Facilities
The Media Studies multiple-purpose studios are used for digital video, television and audio production. The complex features a multicamera studio, with a lighting grid, surround sound, chromakey, and multitrack audio recording that broadcasts via closed-circuit cable throughout the campus.

The studios further provide remote production capabilities in portable video equipment and digital video, with separate editing suites nonlinear computer-based editing and DVD authoring. Multi-image slide/tape production equipment and the black-and-white darkroom offer students additional creative outlets.

Major in Media Studies
The major in Media Studies requires the completion of 48 credits.

Required Courses
EN 375 Advanced Composition
MS 101 Introduction to Media Studies
MS 191, 192, 195 or 197 History of the Motion Picture I, II, History of Broadcasting, History of Journalism
MS 201 The Art of the Moving Image
MS/EN 211 News Writing and Reporting I
MS 301 Reading Seminar in Media and Cultural Theory (Senior year)
MS 397 Senior Project or Thesis
Eight electives are required of Media Studies majors. Three of these must be in media production courses and three must be in media history or theory. The two additional electives may be in history and theory or production.

Production (choose three)
MS 212 Radio Production I
MS 213 Video Production
MS 216 Photography Production I
MS 288 Democratic Technologies
MS 294 Magazine Publication
MS 295 Electronic Journalism
MS 298 Advertising and Public Relations: Practical Applications
MS 300 Special Topics in Video Production
MS/EN 309 Special Topics in News Production
MS/EN 311 News Writing and Reporting II
MS 312 Radio Production II
MS 313 Television Studio Production
MS 316 Photography Production II
MS 317 Single-Camera Directing
MS/EN 333 Screenwriting
MS/EN 370 Newspaper Publication
MS 395 Media Practicum
Other department-designated and approved courses

**History and Theory (choose three)**
- MS 191 History of the Motion Picture I
- MS 192 History of the Motion Picture II
- MS 195 History of Broadcasting
- MS 197 History of Journalism
- MS 200 Mass Media: Special Subjects
- MS 280 Digital Culture
- MS 285 History of Documentary Still Photography
- MS 287 Media and Democracy
- MS 293 Alternative Media
- MS 297 Advertising and Public Relations: An Overview
- MS 299 Special Topics in Media Studies
- MS 381 Images of Women in Film
- MS 382 Third World Cinemas
- MS 383 Documentary Film and Video
- MS 384 National Cinemas
- MS 390 Television Genres
- MS 391 Film Seminar
- MS 392 Film Genres
- MS 393 Film Directors

Two additional courses in History and Theory or Production

A Media Studies advisor may prescribe and approve alternatives.

**Minor in Media Studies**

The minor in Media Studies requires the completion of the following 18 credits:

**Required Courses for Minor**
- MS 101 Introduction to Media Studies
  - Two Production courses
  - Two History and Theory courses
- MS 301 Reading Seminar in Media and Cultural Theory
  - or
- MS 397 Senior Project or Thesis

**Associate in Arts General Studies**

**Emphasis Requirements (15 credits)**
- MS 101 Introduction to Media Studies
- MS 201 The Art of the Moving Image
  - or
- MS 301 Reading Seminar in Media and Cultural Theory
- One Production course
- Two Media Studies electives

**Course Descriptions**

†MS 101 Introduction to Media Studies 3 CR

Introduction to media technology, examining the impact of radio, television, newspapers, still photography, film and the computer on the human condition. Trains the student to be a perceptive consumer of contemporary mass media by exploring how each medium codifies reality. Readings, screenings and written reports required.

†MS 191 History of the Motion Picture I 3 CR

Introduction to the historical development of filmmaking, highlighting the evolution of the film as a means of expression. Films from the past are shown at each class meeting followed by a discussion of several aspects of the film.

†MS 192 History of the Motion Picture II 3 CR

History of the Motion Picture II from 1945 to the present is studied, including extensive screening of classic films. Readings, screenings and written reports required. May be taken out of sequence.

MS 195 History of Broadcasting 3 CR

Explores the history of radio and television broadcasting, including financing of research, technological developments, regulation, structure of genres, the social context and values of programs, legal and political implications of national and international broadcasting.
international broadcasting and the effect on cultural identity and national sovereignty.

**MS 197 History of Journalism** 3 CR
Investigates the social history of American journalism from the penny press to the World Wide Web, including technological developments in news gathering and delivery, regulation and consolidation of the press, social and political implications of coverage, effects of changes in literacy and society, comparisons with other models and trends toward globalization.

**MS 200 Mass Media:**
Special Subjects 3 CR
An opportunity to study current communications topics revolving around the effects of mass media on individuals, communities and countries. Subjects are determined by their topical interest and importance. Course title is shown on the student's transcript. Consult current course schedule for available topics.

**†MS 201 The Art of the Moving Image** 3 CR
A study of the language of moving pictures. Unlike the linear sequence of speech and the written word, moving pictures create a simultaneity of sensory perception. Through an intensive study of experimental and feature films, this course explores the nature of the moving images and how they are organized to create a whole. **Prerequisite:** MS 101

**†MS/EN 211–311 News Writing and Reporting I, II** 3 CR each
An introduction to basic news writing and journalistic reporting principles. Concepts of journalism provide a format for an analysis of the news media and the responsibilities of a journalist in today's society. Workshop sessions utilize the concepts in practical work. **Prerequisites:** For MS/EN 211, EN 012 and MS 101; for MS/EN 311, MS/EN 211

**MS 212–312 Radio Production I, II** 3 CR each
An introduction to basic radio production. Students prepare for the FCC third-class license, learn the audio control board and develop concepts of radio broadcasting. Because WSHU is integrated into the courses as a laboratory and program outlet, students are required to function as staff members. **Prerequisite:** MS 101

**MS 213 Video Production** 3 CR
An introduction to basic video theory and production technique. Classes focus on mastering technical elements of production and developing a familiarity with the grammar of the moving image. Students conceive and produce individual final video projects using portable equipment. **Prerequisite:** MS 101

**MS 215–315 Digital Film Production I, II** 3 CR each
An introduction to the basic techniques of cinematic composition and editing. Presents the basic administrative and aesthetic aspects of filmmaking. **Prerequisite:** MS 101

**MS 216–316 Photography Production I, II** 3 CR each
First semester is an introduction to the fundamentals of color slide photography. Topics include camera care and handling; visual literacy; composition; the nature of light, color, portraiture and experimental photography. Second semester is built around black-and-white film development and printing and requires a three-hour lab in addition to classes. Critical discussions on the photography of major artists supplements the practical work. A 35mm camera with manual operative is required. Students are responsible for processing costs. **Prerequisite:** MS 101

**MS/BU 222 Sports Communications** 3 CR
Focuses on the fundamentals needed to implement a program in sports information, publicity and promotions. Preparing of news releases; writing local and hometown features; publishing programs and brochures; compiling statistical break-
downs; dealing with the local, regional and national press; and promoting specific events, teams and individuals are included. **Prerequisites:** C or better in EN 011, EN 012, CA 021 and MS 101

**MS 280 Digital Culture** 3 CR
Considers digital and technologically mediated environments as "mass media" in the tradition of film, radio or television. Using a variety of approaches, including historical, sociological, economic, technological, cultural and aesthetic, the course looks at questions such as how does the Internet codify reality? How are communities both created and thwarted? What are the characteristics of the global media culture? Readings, screenings and written reports required. **Prerequisite:** MS 101 or CT 101

**MS 283 History of Documentary Still Photography** 3 CR
The history of documentary still photography from its beginning in the 1840s through the present is studied. Focus is on analyzing the photographs, as well as the social and historical contexts in which they were made, to come to some conclusions about the nature of documentary photography. Students with photographic experience and equipment may, with the permission of the instructor, choose to do a documentary photography project instead of a final paper.

**MS 287 Media and Democracy** 3 CR
Examines the relationships between the mass media (film, television, newspapers and the Internet), the public and politics. Historical case studies analyze from ethical, economic, social, historical, aesthetic and technological perspectives how the media provide (or do not provide) a place through which people express their views as citizens in a democracy. Current media examples are also investigated. Readings, screenings and written reports required. **Prerequisite:** MS 101 or CT 101

**MS 288 Democratic Technologies** 3 CR
Focuses on the creative use of technologies available to the American consumer. Instruction in alternative audio and visual production encourages students to express themselves and distribute media content using available consumer and public access technologies. Laptop computers are required to digitize audio and visual projects and for Internet research. **Prerequisite:** MS 101 or CT 101

**MS 293 Alternative Media** 3 CR
Explores nonmainstream and noncommercial media—mechanical, electronic and digital—to understand their content, form and roles they play in our culture. The course looks at the aesthetic theories and/or social motivations, implicit or explicit in the alternative culture and in individual works. Readings, screenings and written reports required.

**MS 294 Magazine Publication** 3 CR
Overview of the entire process of magazine publication. Topics include history, theory and status of contemporary publication, concept research and development of new magazines, writing and editing of articles, desktop publishing layout and design, marketing and advertising campaigns, new technologies and the future. Students conceive and produce individual magazines. **Prerequisite:** MS 101

**MS 295 Electronic Journalism** 3 CR
A production course designed to introduce students to the techniques of electronic journalism. Students also learn to analyze and constructively criticize the process and product. **Prerequisite:** MS 101

**MS 297 Advertising and Public Relations: An Overview** 3 CR
Provides a critical overview of the history, purpose and various methods related to advertising and public relations. Students analyze the semantic and syntactic properties of ads and public relations campaigns from the consumer point of view with a special emphasis on how they communicate.
persuasively. Readings, screenings and written reports required.

**MS 298 Advertising and Public Relations: Practical Applications**  
3 CR  
Applies various theories of advertising and public relations to specific practical problems in the commercial and nonprofit world. Students experiment with form and style by producing advertising and public relations campaigns for new products, public service projects and/or political candidates in several different media. **Prerequisite:** MS 101

**MS 299 Special Topics in Media Studies**  
3 CR  
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on timely topics, a faculty member's particular interest, an experimental alternative to existing courses, etc. Course title is shown on the student's transcript. **Consult the current course schedule for available topics and required prerequisites.**

**MS 300 Special Topics in Video Production**  
3 CR  
New or occasional courses in advanced video production such as approaches to editing, audio recording techniques, digital storytelling or computer-aided design. Course title is shown on the student's transcript. Consult the current course schedule for available topics and required prerequisites.

**MS 301 Reading Seminar in Media and Cultural Theory**  
3 CR  
An interdisciplinary study of contemporary theories of mass communications. Presents an overview of the impact of mass communications by considering them as codes, symbolic systems and manipulative powers on both the conscious and subconscious levels. Reading, writing, discussion and research are required. **Prerequisites:** MS 101 and Senior standing in the major

**MS/EN 309 Special Topics in News Production**  
3 CR  
New or occasional courses in advanced newspaper or magazine production such as advanced editing techniques, feature writing, sports writing or investigative reporting. Course title is shown on the student's transcript.

**MS 313 Television Studio Production**  
3 CR  
An introduction to multicamera studio production. **Prerequisite:** MS 213

**MS 317 Single-Camera Directing**  
3 CR  
Advanced course in single-camera video production. Each student directs an original fiction or nonfiction work and provides technical support on classmates' projects. **Prerequisites:** MS 213 or permission of the instructor

**MS/EN 333 Screenwriting**  
3 CR  
An introduction to writing for fiction and nonfiction film and television. Topics include basic dramatic theory, narrative structure, characterization, dialogue, adaptation and the unique demands of the audio/visual media, as well as pragmatic matters of format and the marketplace. **Prerequisites:** EN 012, MS 101

**MS/EN 370 Newspaper Publication**  
3 CR  
An introduction to newspaper publication, providing editing and publications practice. Emphasis on copy selection, copyediting, story placement, headline writing, art usage, page layout, copy fitting and use of stylebooks. In addition, issues affecting newspaper production are discussed, including libel, production economics and legal restrictions such as copyright and First Amendment rights. **Prerequisite:** MS/EN 211 or permission of instructor

**MS 381 Images of Women in Film**  
3 CR  
Films are cultural artifacts. Each film contains within itself a complex social system reflecting the
attitudes, values and mores of the society that produced it. This course uncovers the values that encode the function of women on screen including the images they project, roles they assume, values they encode, and relationships they establish with men, children and each other. Readings, screenings and written reports required. Consult the current course schedule for available topics and required prerequisites.

MS 382 Third World Cinemas 3 CR
Concentrating on filmmaking and videomaking in several different Third World cultures (e.g., Senegal, Brazil, Cuba, India and/or the Black workshop movement in Great Britain), the course looks at the history of production, distribution and reception in each culture; considers the practical, theoretical and political implications of aesthetic choices; and relates this to the social circumstances of the different filmmaking practices. Readings, screenings and written reports required. Consult the current course schedule for available topics and required prerequisites.

MS 383 Documentary Film and Video 3 CR
Examines major epistemological, aesthetic and political concerns of documentary film and video. This course introduces students to a variety of documentary principles, methods and styles in order to explore a series of theoretical issues that are important to documentary production, representation and reception. Readings, screenings and written reports required. Consult the current course schedule for available topics and required prerequisites.

MS 384 National Cinemas 3 CR
Examines a particular national cinema or moment in national cinemas (e.g., New German Cinema, French New Wave, Italian Neorealism) whose contributions to the history of cinema have been significant. Attention is given to the social and cultural context, production, distribution and reception circumstances and stylistic innovations of the different filmmaking practices. Readings, screenings and written reports required. Consult the current course schedule for available topics and required prerequisites.

MS 390 Television Genres 3 CR
A study of individual television forms, including the teleplay, the documentary, the docudrama and the situation comedy. Emphasis on the historical development of the genre, the particular characteristics of the genre that affect its content and style and meaning of this kind of programming within a cultural context. Readings, screenings and written reports required. Consult the current course schedule for available topics and required prerequisites.

MS 391 Film Seminar 3 CR
An intensive course focusing on specific aspects of film history, theory and criticism, with special emphasis on film's relationship to society. Each semester the course concentrates on an individual topic of discussion. Readings, screenings and written reports required. Consult the current course schedule for available topics and required prerequisites.

MS 392 Film Genres 3 CR
A study of particular film forms, including western, gangster, science fiction, horror, comedy and other film genres. Attention is given to the themes and stylistics of genres, and to the genre film's contemporary cultural significance and contribution to the history of ideas. Consult the current course schedule for available topics and required prerequisites.

MS 393 Film Directors 3 CR
Examines individual film directors whose contributions to the history of the cinema have been especially notable. Film directors are studied for their stylistic and philosophical innovations as well as for their historical place in the medium. Each semester a particular director or directors
are chosen for study. Consult the current course schedule for available topics and required prerequisites.

MS 395 Media Practicum 1-3 CR
An opportunity for outstanding Senior Media Studies majors to assist in the planning and production of media projects contracted by Sacred Heart University or by outside agencies. By permission of the chairperson of the faculty of Communication Studies. Offered only when appropriate projects are available. Prerequisite: MS 213. Consult the current course schedule for available topics and required prerequisites.

MS 396 Internship 1-6 CR
An opportunity for qualified upper-division Media Studies majors to gain practical experience at area media/communications companies such as radio or television stations, cable companies, newspapers, magazines and public relations firms. Prerequisite: Permission of instructor. Consult the current course schedule for available topics and required prerequisites. Permission of coordinator.

MS 397 Senior Project or Thesis 3 CR
The purpose of the project is threefold: to create an opportunity for a senior Media Studies student to apply creative theory to practice; to stress the interdisciplinary aspects of media communication; and to provide the student with a "portfolio" product or research project to use as a demonstration of his or her abilities. Consult the current course schedule for available topics and required prerequisites. MS Senior standing.

MS 399 Independent Study 1-3 CR
Work on a special topic or production to be arranged with an instructor who will direct the work. Permission of the chairperson of the faculty of Communication Studies is granted to qualified Media Studies majors on the basis of a written prospectus. By special arrangement. Consult the current course schedule for available topics and required prerequisites.

Modern Foreign Languages
The Modern Foreign Languages program is oriented toward developing students' linguistic abilities as well as providing a broad knowledge of foreign cultures and literature. Communicative competence and oral proficiency are stressed in language classes, but all skill areas including reading, writing, listening and speaking are developed. Language laboratory practice and multimedia are integral to the methodology. The program also provides offerings in literature, history, culture and civilization. Comparative literature and film courses are often available (generally cross-listed with English or Media Studies). Study abroad is encouraged. Sacred Heart University is affiliated with various consortia that offer study abroad opportunities throughout the world.

In Spanish, major and nonmajor students choose from a variety of courses in language, literature and culture. Minor programs are offered in French, Italian and Spanish. Additional courses are offered in Japanese and Polish.

Faculty
Claire Marrone, Ph.D., Associate Professor
Mark Mascia, Ph.D., Assistant Professor
Pilar Munday, Ph.D., Assistant Professor
Claire J. Paolini, Ph.D., Professor

Modern Languages Laboratory
The study of Modern Foreign Languages is enhanced through the use of the language lab. The lab consists of 30 booths, each equipped with a tape deck and an 8mm combo (video/VCR) unit. The language lab provides students with ample opportunity to hear a variety of native speakers, to practice and reinforce language and phonological patterns, to record and hear their voices and to copy from master tapes. A variety of recordings and videotapes on foreign cultures, literature and history is available.
Major in Spanish
The major in Spanish requires the completion of 33 credits.

Required Courses for Major
SP 101 Advanced Spanish Composition and Grammar I
SP 102 Advanced Spanish Composition and Grammar II
Three courses in Spanish literature: one in Peninsula literature, one in Latin American literature, and one in either.
Three courses in culture, civilization, and contemporary issues: one dealing with Spain, one dealing with Latin America, and one with either.
Three Spanish electives, beyond the 100 level.

Minor in Spanish
The minor in Spanish requires the completion of 18 credits.

Required Courses for Minor
SP 051* Intermediate Spanish I
SP 052* Intermediate Spanish II
SP 101 Advanced Spanish Composition and Grammar I
SP 102 Advanced Spanish Composition and Grammar II
The balance of credits may be chosen from advanced-level courses.
*May be waived by the department for students starting at the advanced level, however, students must complete 18 credit hours in Spanish.

Associate in Arts General Studies
Emphasis Requirements
(18–20 credits)
SP 011* Beginning Spanish I
SP 012* Beginning Spanish II
SP 051 Intermediate Spanish I
SP 052 Intermediate Spanish II
SP 101 Advanced Spanish Composition and Grammar I
SP 102 Advanced Spanish Composition and Grammar II
SP 111 Conversation: Topics for Daily Living I
SP 112 Conversation: Topics for Daily Living II
and/or
Spanish electives
*Waived for students with two or more years of high school Spanish.

Minor in French
For students who begin college study at the beginning (FR 011–012) or intermediate (FR 051–052) levels, the French minor requires the completion of 18 credits. Students begin accumulating credits toward the minor at the intermediate level. For students who begin college study at the advanced (FR 101–102) level, the minor requires the completion of 12 credits.

Required Courses for Minor
FR 051* Intermediate French I
FR 052* Intermediate French II
FR 101 French Reading and Conversation
FR 102 French Reading and Composition
FR 251 Introduction to Literature in French I
FR 252 Introduction to Literature in French II
FR 280 French Civilization and Culture
FR 281 Francophone Civilization and Culture
FR 353–359 Topics in French/ Francophone Film
FR 363–369 Topics in French/ Francophone Culture
FR 373–379 Topics in French/ Francophone Literature
FR 399 Independent Study
*Waived by the department for students accepted into courses at the advanced level.

Associate in Arts General Studies
Emphasis Requirements
(18–20 credits)
FR 011* Beginning French I
FR 012* Beginning French II
FR 051 Intermediate French I
FR 052 Intermediate French II
FR 101 French Reading and Conversation
FR 102 French Reading and Composition
and/or
6 credits of upper-level French electives
*Waived for students with two or more years of
high school French.

Minor in Italian
For students who begin college study at the begin­
ing (IT 011–012) or intermediate (IT 051–052)
levels, the Italian minor requires the completion
of 18 credits. Students begin accumulating credits
toward the minor at the intermediate level. For
students who begin college study at the advanced
(IT 101–102) level, the minor requires the com­
pletion of 12 credits.

Required Courses for Minor
IT 051* Intermediate Italian I
IT 052* Intermediate Italian II
IT 101 Italian Reading and Conversation
IT 102 Italian Reading and Composition
IT 251 Introduction to Literature in Italian I
IT 252 Introduction to Literature in Italian II
IT 260 Italian Civilization and Culture
IT 353–359 Topics in Italian Film
IT 363–369 Topics in Italian Culture
IT 373–379 Topics in Italian Literature
IT 399 Independent Study
*Waived by the department for students accepted
into courses at the advanced level.

Associate in Arts General Studies
Emphasis Requirements
(18–20 credits)
IT 011* Beginning Italian I
IT 012* Beginning Italian II
IT 051 Intermediate Italian I
IT 052 Intermediate Italian II
IT 101 Italian Reading and Conversation
IT 102 Italian Reading and Composition
and/or
6 credits of upper-level Italian electives
*Waived for students with two or more years of
high school Italian.

French Course Descriptions
†FR 011–012 Beginning
French I, II
4 CR each
Intended for students who have no previous educa­
tion in French. Emphasis on building communica­
tive competence and oral proficiency: All four skill
areas covered, including reading, writing, listening
and speaking. An appreciation of French and
Francophone cultures integral to course. Intensive
laboratory practice to implement class work.

†FR 051–052 Intermediate
French I, II
3 CR each
Continued emphasis on communicative compe­
tence and oral proficiency. Review and intensified
study of structure. Readings, vocabulary building,
composition, listening comprehension and con­
versation. French and Francophone cultures inte­
gral to course. Laboratory practice. Prerequisite:
FR 012 or equivalent

FR 101 French Reading and
Conversation
3 CR
Designed to improve communicative competence
and reading skills. Activities include debates, pre­senta­tions and skits. Varied literary and cultural
readings, including study of current events are
required. Prerequisite: FR 052 or equivalent

†FR 102 French Reading and
Composition
3 CR
Designed to improve reading skills and writing in
various styles and genres. Includes complex gram­
mar review. Varied literary and cultural readings,
including study of current events are required.
Prerequisite: FR 052 or equivalent

†FR 251–252 Introduction to
Literature in French I, II
3 CR each
A survey of representative literary texts from the
Middle Ages to present. Both canonical and lesser­
known works in several literary genres, including
novels, plays, poetry, essays, letters and other writ­
ings. Critical techniques are introduced. Both
French and other Francophone cultures (Canadian, African, Caribbean) are discussed in relation to readings and individual interests. Oral and written reports are required. Taught in French. **Prerequisite:** FR 101-102 or equivalent, or permission of instructor.

**FR 280 French Civilization and Culture**
3 CR
Promotes understanding of the history and culture of the French with emphasis on arts, politics, language, thought and lifestyle. Readings, films, the visual arts and music are incorporated. Taught in French. **Prerequisite:** FR 101-102 or equivalent, or permission of instructor.

**FR 281 Francophone Civilization and Culture**
3 CR
Promotes understanding of Francophone peoples through their histories, cultures, politics, religious beliefs and lifestyles. Readings, films, the visual arts and music are incorporated. Taught in French. **Prerequisite:** FR 101-102 or equivalent, or permission of instructor.

**FR 355-359 Topics in French/ Francophone Film**
3-4 CR
Content varies. Study of particular film directors, movements (Poetic Realism, New Wave), periods and genres. **Prerequisite:** Permission of instructor.

**FR 363-369 Topics in French/ Francophone Culture**
3-4 CR
Content varies. Study of particular periods (French Revolution), places (Paris, Québec), movements and representative individuals. **Prerequisite:** Permission of instructor.

**FR 373-379 Topics in French/ Francophone Literature**
3-4 CR
Content varies. Study of particular authors (women writers), movements (Surrealism), periods and genres. **Prerequisite:** Permission of instructor.

**FR 399 Independent Study**
1-3 CR
Work on special topic to be arranged with instructor who directs work. Permission of the department chairperson is granted to qualified students in French on basis of written prospectus. By special arrangement.

**Italian Course Descriptions**

**IT 011-012 Beginning Italian I, II**
4 CR each
Intended for students who have no previous education in Italian. Emphasis on building communicative competence and oral proficiency. All four skill areas are covered including reading, writing, listening and speaking. An appreciation of Italian culture is integral to the course. Intensive laboratory practice to implement class work.

**IT 051-052 Intermediate Italian I, II**
3 CR each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of structure. Readings, vocabulary building, composition, listening comprehension and conversation. Italian culture integral to course. Laboratory practice. **Prerequisite:** IT 012 or equivalent.

**IT 101 Italian Reading and Conversation**
3 CR
Designed to improve communicative competence and reading skills. Activities include debates, presentations and skits. Varied literary and cultural readings, including the study of current events. **Prerequisite:** IT 052 or equivalent.

**IT 102 Italian Reading and Composition**
3 CR
Designed to improve reading skills and writing in various styles and genres. Includes complex grammar review. Varied literary and cultural readings, including current events. **Prerequisite:** IT 052 or equivalent.
†IT 251–252 Introduction to Literature in Italian I, II 3 CR each
A survey of representative literary texts from the Middle Ages to present. Both canonical and lesser-known works in several literary genres, including novels, plays, poetry, essays, letters and other writings. Critical techniques introduced. Italian culture discussed in relation to readings and individual interests. Taught in Italian. Prerequisite: IT 101–102 or equivalent, or permission of instructor

IT 280 Italian Civilization and Culture 3 CR
Promotes understanding of the history and culture of Italians with emphasis on the arts, politics, language, thought and lifestyle. Readings, films, the visual arts and music are incorporated. Taught in Italian. Prerequisite: IT 101–102 or equivalent, or permission of instructor

IT 353–359 Topics in Italian Film 3–4 CR
Content varies. Study of particular film directors, movements (Neorealism), periods and genres. Prerequisite: Permission of instructor

IT 363–369 Topics in Italian Culture 3–4 CR
Content varies. Study of particular periods (Risorgimento), places, movements (Fascism) and representative individuals. Prerequisite: Permission of instructor

IT 373–379 Topics in Italian Literature 3–4 CR
Content varies. Study of particular authors (women writers), movements, periods and genres (short story). Prerequisite: Permission of instructor

IT 399 Independent Study 3 CR
Work on a special topic to be arranged with instructor who directs this work. Permission of the department chairperson is granted to qualified students in Italian on basis of written prospectus. By special arrangement.

Japanese Course Descriptions
†JP 011–012 Beginning
Japanese I, II 4 CR each
An introduction to modern Japanese. Pronunciation drill, grammar and conversation practice with an introduction to the hiragana and katakana writing system. Offered every other year.

JP 051–052 Intermediate
Japanese I, II 3 CR each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of structure, reading, vocabulary building, composition, listening comprehension and conversation. Prerequisite: JP 012 or equivalent

Polish Course Descriptions
†PL 011–012 Beginning
Polish I, II 3 CR each
Focuses on pronunciation of Polish sounds and fundamental principles of grammar. Training in reading, listening, speaking and writing is provided. Offered every other year.

†PL 051–052 Intermediate
Polish I, II 3 CR each
An intensified study of language patterns, stressing the use of correct grammatical rules in conversation. Prerequisite: PL 012 or equivalent

Spanish Course Descriptions
†SP 011–012 Beginning
Spanish I, II 4 CR each
For students with no previous Spanish education. Basic grammar patterns, oral practice, reading and writing are studied.

†SP 051–052 Intermediate
Spanish I, II 3 CR each
Review and intensified study of basic Spanish patterns. Speaking ability is stressed. Prerequisite: SP 012 or equivalent
SP 101–102 Advanced Spanish Composition and Grammar I, II 3 CR each
Focus on vocabulary building and writing controlled compositions based on selections previously read and discussed. Prerequisite: SP 052

SP 103 Spanish for the Professions 3 CR
Designed for students in Nursing, Physical Therapy and Social Work. Emphasis is on special topics related to those professions, focusing on communicating in Spanish. Service learning required. Prerequisites: SP 052 or equivalent and permission of the instructor

SP 111–112 Conversation: Topics for Daily Living I, II 3 CR each
Emphasis on intensive oral practice, short speeches and group discussions. Prerequisite: SP 051 or equivalent

SP 215–216 Spanish Readings and Discussion I, II 3 CR each
Designed to improve reading ability and self-expression through readings chosen from Spanish authors, newspapers and magazines. Prerequisites: SP 101 and SP 102 or permission of the chairperson

SP 241 Spanish Phonetics and Phonology 3 CR
A study of the sounds of the language. Recommended for all Spanish majors and those who expect to teach Spanish. Prerequisites: SP 101 and SP 102 or permission of the chairperson

SP 251–252 Spanish Literature I, II 3 CR each
Spanish literature from the Middle Ages to the present. Oral and written reports are required. Prerequisites: SP 101 and SP 102, or permission of the chairperson

SP 253–259 Special Topics in Latin Literature 3 CR each
Course description varies each time the course is offered. Prerequisites: SP 101 and SP 102

SP 261–262 Masterpieces of Latin-American Literature I, II 3 CR each
Latin-American literature from the Colonial period to the present. Prerequisites: SP 101 and SP 102 or permission of the chairperson

SP 263–269 Special Topics: Latin-American Literature 3 CR
Course description varies each time the course is offered. Prerequisites: SP 101 and SP 102

SP 280 Hispanic Civilization and Culture: Spain 3 CR
History and culture of the Spanish people from their origins to the present day with emphasis on their arts, thought and lifestyle. Prerequisites: SP 101 and SP 102

SP 281 Hispanic Civilization and Culture: Latin America 3 CR
Emphasis on understanding the Spanish-American people through the different periods of their history and their reactions to political, religious and economic problems. Prerequisites: SP 101 and SP 102

SP 282 Puerto Rico: Su Lengua Y Su Cultura 3 CR
A study of Puerto Rico, its people, culture and language as shown in its literature and political history.

SP 283 The Hispanic Caribbean 3 CR
A comprehensive study of the main historical and cultural development of the Caribbean world (Puerto Rico, Cuba and the Dominican Republic).

SP 299 Special Topics in Spanish 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Prerequisites: Established by the department as appropriate for the specific course

SP 315–316 Advanced Conversation 3 CR each
Designed to improve mastery of spoken Spanish. Discussions based on current materials, including books, newspapers, magazines and movies from the Spanish world. Prerequisites: SP 111 and SP 112
†SP 341 Contrastive Linguistics: Spanish-English 3 CR
Teaches the relationship between linguistics and the learning of a new language. **Prerequisites:** SP 101 and 102 or permission of the chairperson

†SP 353-359 Advanced Topics in Spanish Literature 3 CR
Course description varies each time the course is offered. **Prerequisites:** SP 251 and SP 252, or permission of the chairperson

†SP 363-369 Advanced Topics in Spanish-American Literature 3 CR each
Description varies each time the course is offered. **Prerequisites:** SP 261 or SP 262, or permission of the chairperson

**Music**

The Music program exists to provide the environment in which students can develop the aesthetic dimension of life by nurturing their abilities to imagine, create and appreciate. As a nonmajor program, it is designed to lead students to engage in music, to explore its manifold cultural manifestations and, thus, to create a foundation for ongoing experience, learning and enrichment of their lives.

**Faculty**
Patricia E. Smith, Ph.D., Assistant Professor

**Required Courses for Music Minor**

**Track I: Regular (18 credits)**
- MU 111 Music in Western Civilization
- MU 121 Musicianship/Theory

Three credits in applied music
Nine credits from music history or music literature courses

**Track II: Performance (18 credits)**
- MU 111 Music in Western Civilization
- MU 121 Musicianship/Theory

Nine credits in applied music (five of which must be in a performing group)
Three credits from music history or music literature courses

**Required Courses for Associate Degree with Music Concentration (18 credits)**

Same as Track I – Regular (above)

**Course Descriptions**

†MU 102 History of Jazz 3 CR
A study of jazz styles from African sources to the present.

†MU 111 Music in Western Civilization 3 CR
A course on classical music style, content and function from the Renaissance to present; emphasis on aural analysis and cultural context.

†MU 112 Music in America 3 CR
U.S. folk, jazz, popular and fine art music are studied. Emphasis on aural analysis and cultural context.

†MU 114 Latin American and Caribbean Music 3 CR
Traces development of principal Latin American music from folk origins to present. Focus on Cuba and Brazil.

†MU 121 Musicianship I 3 CR
Emphasis on music notation and reading; construction and function of scales, intervals and triads with correlated keyboard and creative work. Offered Fall semesters.

†MU 122 Musicianship II 3 CR
Focuses on harmony, including seventh and ninth chords, nonharmonic tones and modulation. Offered Spring semesters only. **Prerequisite:** MU 121

MU 125 Music in the Performing Arts 3 CR
A study of music and artists in the performing arts past and present. Visits by professional artists and trips to performances are available to enhance student understanding.
MU 126 The Power of Music 3 CR
Looks at the effects music has on the brain, behavior, attitude and illness. Studies are conducted and discussed.

MU 130–139 Applied Music 1–2 CR
Private or group music performance courses that may be repeated for credit. Applied Music courses do not satisfy Area B-1 requirements.

MU 131 Private Lessons 1 CR
Individual instruction in selected instruments or voice. One half-hour lesson per week. Fee required. Prerequisite: Departmental permission

MU 132 Private Lessons 2 CR
Individual instruction in selected instruments or voice. One-hour lesson per week. Fee required. Prerequisite: Departmental permission

MU 133 University Concert Choir 1 CR
A mixed select choir that performs seasonal music in the fall semester and a major work in the spring semester. Prerequisite: Permission of instructor

MU 134 Chamber Orchestra 1 CR
Performs music for small orchestra from Baroque to present. Prerequisite: Audition

MU 135 University Show Choir 2 CR
A song and dance troupe that performs a fall and spring show consisting of selections from musical theatre. Prerequisite: Audition

MU 136 Concert Band 1 CR
Offered Spring semester only. Prerequisite: Departmental permission

MU 137 Chorus 1 CR
Mixed chorus open to all members of the University community.

MU 138 Jazz Band 1 CR
Jazz workshop approach develops stylistic and improvisatorial skills. Concerts presented. Prerequisite: Departmental permission

MU 299 Topics in Music 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc.

Philosophy
The philosophical experience is considered integral to the intellectual and cultural development of today’s student. The Philosophy program provides foundation courses that satisfy core requirements. Its broad range of electives, dealing with historical movements as well as contemporary problems, allows for a major in Philosophy and makes available a variety of electives of an interdisciplinary nature.

In whatever way the student comes to Philosophy, whether it be to satisfy a core, major or elective requirement, the department seeks to enrich life experience by making available the broad and generous ideas that have shaped the contemporary intellectual world. Awareness of the traditional philosophical forces of the past is a condition for understanding the ideological trends of today.

Faculty
John E. Jalbert, Ph.D., Professor
Edward Papa, Ph.D., Associate Professor
Michael Ventimiglia, Ph.D., Assistant Professor

Major in Philosophy
The major in Philosophy requires the completion of 30 credits.

Required Courses
PH 101 Introduction to the Problems of Philosophy
PH 211 Logic
or
PH 212 Practical Logic
PH 231 Philosophy of Knowledge
PH 251 Ethics or PH 258 Medical Ethics
Six Philosophy electives

Minor in Philosophy
The minor in Philosophy requires the completion of the following 18 credits:
Required Courses
PH 101 Introduction to the Problems of Philosophy
Five Philosophy electives from 200- or 300-level courses.

Associate in Arts General Studies Emphasis Requirements (15 credits)
PH 101 Introduction to the Problems of Philosophy
Four Philosophy electives

Course Descriptions
†PH 101 Introduction to the Problems of Philosophy 3 CR
Philosophy is defined for the beginning student through an exploration of the branches of philosophy and their respective problems.

†PH 211 Logic 3 CR
The nature and basic concepts of logic, informal fallacies, formal techniques for testing the correctness of deductive reasoning.

†PH 212 Practical Logic 3 CR
Practice of logical analysis in classroom exercises. Focuses on informal logic, how to make ideas clear, reason correctly and evaluate evidence used to substantiate a truth claim.

PH 214 The Philosophy of Human Communications 3 CR
In this course, the student analyzes the formal structure of rhetoric using a classical model, and applies it to contemporary political and social issues in philosophical disputations. Prerequisite: PH 101

†PH 221 Historical Survey of Philosophy I 3 CR
Primary texts from the philosophers of ancient Greece, the Hellenistic-Roman period and the Middle Ages. Prerequisite: PH 101

†PH 222 Understanding Our Universe 3 CR
Major philosophical, theological, scientific issues in cosmology. Creation, evolution and fate of the universe. Design and chance, freedom and determinism, God and the universe. Prerequisite: PH 101

†PH 225 Philosophy of Plato 3 CR
The nature of the philosophical life is examined through an exploration of selected Platonic dialogues. Prerequisite: PH 101

†PH 226 The Philosophy of Aristotle 3 CR
Emphasizes the ethics, politics and metaphysics of the Aristotelian system, and its contrast to the Platonic synthesis. Prerequisite: PH 101

†PH 231 Philosophy of Knowledge 3 CR
The conditions that make knowledge possible and the criteria of truth and falsity. Selected representative historical thinkers. Prerequisite: PH 101

†PH 241 Medieval Philosophy 3 CR
The Aristotelian tradition as developed within Islam, Judaism and Christianity. Prerequisite: PH 101

†PH 245 The Philosophy of St. Augustine 3 CR
Aurelius Augustinus's contribution to the development of Roman Catholic philosophy and theology. Prerequisite: PH 101

†PH 250 Historical Survey of Philosophy II 3 CR
The classics of modern Western philosophy from Descartes to the present. Prerequisite: PH 101

†PH 251 Ethics 3 CR
Primary texts from notable moral philosophers in the Western philosophical tradition, from Socrates to Rawls. Prerequisite: PH 101

†PH 255 Political Philosophy 3 CR
Primary texts from the history of political thought including Plato, Lao-Tzu, Aquinas, Machiavelli, Hobbes, Locke, Rousseau, Marx, Mill and Rawls. Prerequisite: PH 101

†PH 256 The Philosophy of Technology 3 CR
Representative views of the social role of technol-
ogy. Two fundamental questions are addressed. The extent of technology's impact on social institutions and individual lives. And, to what degree is this impact beneficial or harmful? Prerequisite: PH 101

†PH 258 Medical Ethics 3 CR
This course will examine the ethical and legal issues surrounding abortion, physician-assisted suicide, euthanasia, genetic cloning, genetic therapy/enhancement, genetic patenting and healthcare allocation.

†PH 260 Women Philosophers 3 CR
Augments the traditional philosophical canon with philosophical works by women from Pan Chao in first-century China to the 20th century, to Simon de Beauvoir. Prerequisite: PH 101

†PH 270 Philosophical Anthropology 3 CR
Reflections on the nature and meaning of "man," especially in contemporary philosophy such as existentialism and Marxism. Writings of Buber and Scheler on the nature of man are studied. Prerequisite: PH 101

†PH 272 Metaphysics 3 CR
Four movements in the development of the Western metaphysical tradition: Aristotle, Thomas Aquinas, Kant and Heidegger. Prerequisite: PH 101

†PH 278 East/West Comparative Philosophy 3 CR
Heidegger and East Asian thought, the origin of Greek and Chinese philosophy; the Kyoto school; Nishitani's Religion and Nothingness. Prerequisite: PH 101

†PH 283 Philosophical Theology 3 CR
The problem of God before and after Kant's "Copernical Revolution," phenomenology of religion and postmodern theology. Prerequisite: PH 101

PH 299 Special Topics in Philosophy 3 CR
Designates new or occasional courses capitalizing on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Consult the current course schedule for available topics and current prerequisites. Prerequisites established by the department. Prerequisite: PH 101

†PH 306 Existentialism 3 CR
Nineteenth- and 20th-century existentialism, especially the thought of Kierkegaard, Nietzsche, Heidegger and Sartre. Prerequisite: PH 101

†PH 307 Introduction to Phenomenology 3 CR
Examines the phenomenological method in philosophy as developed in the writings of Husserl, Heidegger, Merleau-Ponty and Scheler. Prerequisite: PH 101

†PH 312 Philosophical Foundations of Marxism 3 CR
Philosophical development of the young Karl Marx, from his study of Hegel and Feuerbach to the formulation of his own historical materialism/humanism. Prerequisite: PH 101

†PH 322 American Philosophy and Culture 3 CR
Interaction of American philosophical thought and the American experience as revealed in the philosophies of Edwards, Emerson, Thoreau, Peirce, James and Dewey. Prerequisite: PH 101

PH 331 Oriental Thought 3 CR
An introduction to the philosophies of India, China and Japan. A presentation and analysis of the major schools of philosophy, including Hinduism, Buddhism, the Confucian school, Taoism and Zen Buddhism. Topics include finding one's self, transformation, compassion, moral cultivation, sageshood and enlightenment. Prerequisite: PH 101

†PH 382 Problems in Contemporary Philosophy 3 CR
Topics, selected by the instructor, such as war and
peace, near-death studies, the philosophical novel, new directions in philosophy or the crisis in professional ethics. *Prerequisite:* PH 101

**PH 383 The Philosophy of St. Thomas Aquinas**  
3 CR  
The existence and nature of God, human knowledge, the state, natural and divine law, virtue, grace and the Incarnation as explicated in the *Summa Theologica.* *Prerequisite:* PH 101

**PH 399 Independent Study**  
1–3 CR  
An area of study for which no course is presently provided. The student must find an instructor competent in his or her proposed topic and secure the permission of the chairperson and the dean. *Prerequisite:* PH 101

**Physics**

The physics curriculum, which is a nonmajor program, provides introductory physics courses for students in science majors, Pre-Physical Therapy, Pre-Medical, Pre-Dental, Pre-Veterinary and pre-professional programs in health-related careers. An astronomy course and physical oceanography are also offered for general interests.

**Faculty**

Marlina Slamet, Ph.D., Assistant Professor

**Course Descriptions**

**PY 040 Oceanography**  
3 CR  
Processes governing the geology, circulation, chemistry and biological productivity of the world's oceans. Emphasis is on interactions and interrelationships between physical, chemical, biological and geological processes of the marine environment.

**PY 045 Geophysics: The Study of Earth**  
3 CR  
Students are introduced to the forces and phenomena that have created earth. The State of Connecticut will be utilized as the laboratory illustrating the theories presented in the classroom. Participants will be involved in process thinking, problem solving, and the application of knowledge in a field laboratory setting. Observation, data collection, and hypothesising are utilized in individual and group investigations.

**PY 090 Basic Astronomy**  
3 CR  
Explores the universe briefly. Emphasis is on the solar system and recent space explorations. Observations of the sky and/or visit(s) to planetariums.

**PY 100 Elements of Physics**  
4 CR  
Covers the basic laws of mechanics, properties of matter, electricity, magnetism and nuclear radiation with an introduction to quantitative laboratory. Designed for health-related professions. *Prerequisite:* MA 102 or equivalent

**PY 111 General Physics I**  
3 CR  
Noncalculus-based course covering the basic principles of mechanics, properties of matter, temperature and heat transfer. *Prerequisite:* MA 140 or equivalent

**PY 112 General Physics II**  
3 CR  
Topics include wave motion, sound, electricity, magnetism, light and geometrical optics. *Prerequisite:* PY 111

**PY 113 Physics Laboratory I**  
1 CR  
Fundamental training in physical measurements in mechanics, properties of matter, temperature and heat transfer. *Corequisite:* PY 111

**PY 114 Physics Laboratory II**  
1 CR  
Fundamental training in physical measurements in wave motion, sound, electricity, light and optical devices. *Corequisite:* PY 112

**PY 151 Principles of Physics I**  
3 CR  
Calculus-based course, covering basic principles of mechanics, properties of matter and thermodynamics. *Prerequisite:* MA 152 or equivalent

**PY 152 Principles of Physics II**  
3 CR  
Explores wave motion, sound, electricity, magnetism, light and optics. *Prerequisite:* PY 151
PY 153 Physics Laboratory I 1 CR
Same as PY 113. Corequisite: PY 151

PY 154 Physics Laboratory II 1 CR
Same as PY 114. Corequisite: PY 152

Political Science
The Political Science major seeks to awaken in students an appreciation and an understanding of politics and government in the broadest and deepest sense. It considers democratic governance the key to civilization, and ethics as central to democratic life. Courses are offered in four major areas: American politics, comparative politics, international relations and political philosophy and theory. Classroom learning is enriched in a number of ways, including field trips to the state Capitol, Washington, D.C. and the United Nations; internships with legislators in the Connecticut General Assembly; Washington and district office internships with national legislators; election campaign and party organization internships; internships with public administrators; and internships at the United Nations.

Students who major or minor in Political Science prepare themselves for careers in law, teaching, elective office, government service, many areas of business and not-for-profit management, international business, journalism, campaign management and other endeavors.

Faculty
John F. Kikoski, Ph.D., Professor
Steven J. Michels, M.S., Instructor
Gary L. Rose, Ph.D., Professor

Major in Political Science
The major in Political Science requires the completion of 30 credits.

Required Courses
PO 121 Introduction to American Government
PO 122 Introduction to International Relations
Six Political Science electives and one course from both the comparative politics and political philosophy and theory areas

Comparative Politics
PO 311 Comparative Western European Politics
PO 312 Comparative Eastern European Politics
PO 314 Middle East Politics
PO 315 Latin American Politics
PO 316 South Asian Politics

Political Philosophy and Theory
PO 301 Development of Ancient and Medieval Political Theory
PO 302 Development of Modern Political Theory
PO 303 Modern Political Ideologies
PO 305 Ethics and Politics: Profiles of Practicing Politicians

Minor in Political Science
The minor in Political Science requires the completion of the following 18 credits:

Required Courses
PO 121 Introduction to American Government
PO 122 Introduction to International Relations
Four Political Science electives

Associate in Arts General Studies
Emphasis Requirements (15 credits)
PO 121 Introduction to American Government
PO 122 Introduction to International Relations
Three Political Science electives

Course Descriptions
†PO 121 Introduction to American Government 3 CR
Explores a variety of areas that collectively comprise the American political system. Examines the theoretical foundation of American government, the U.S. Constitution, political behavior, Congress, the presidency and the Supreme Court.

†PO 122 Introduction to International Relations 3 CR
Focuses on fundamental factors in understanding
international relations. Sovereignty, nation-states, national interests, power, diplomacy, United Nations, war, terrorism, ethnicity and low-intensity warfare, the environment and global politics are studied.

**PO 212 American State and Local Government 3 CR**
Examines the subnational level of American politics. Topics include the constitutional position of state governments, federal-state interaction, financing of state governments, political parties, group activity and public policies. *Prerequisite: PO 121*

**PO 215 Political Parties 3 CR**
Focuses on the role of political parties in America's democracy. Examines the structure and function of party organization, behavior of the American electorate and effectiveness of parties in the governing process. Platforms and categories of minor parties are also discussed. *Prerequisite: PO 121*

**PO 216 Congress and the Legislative Process 3 CR**
Examines the Constitutional powers of Congress, historical development, legislative process and relationship with executive branch of government. *Prerequisite: PO 121*

**PO 217 The American Presidency 3 CR**
Traces the role of the chief executive in the American political system. Attention is given to the evolution, functions and limits of executive leadership, as well as to relations with Congress, courts, bureaucracy, public opinion and the role of personal style in the office. *Prerequisite: PO 121*

**PO 218 The Politics of Presidential Elections 3 CR**
Explores the dimensions of presidential elections. Topics include political coalitions, campaign strategy, the role of media and money, conventions and presidential debates. *Prerequisite: PO 121*

**PO 240 War 3 CR**
Topics include the causes of war, case studies of major wars, theories of instinctual aggression, psychological behavior, ethnicity, national interests, imperialism, economics, international systems and other topics.

**PO 241 Peace 3 CR**
Presents religious and philosophical roots of peace, functionalism, the changing role of international organizations in the 21st century, international norms, global interdependence and other topics.

**PO 242 International Organizations 3 CR**
Focuses on the origin, evolution, structure and functions of regional and global intergovernmental and nongovernmental organizations. Special attention is given to the changing role of the post-Cold War United Nations.

**PO 244 American Foreign Policy since 1945 3 CR**
Examines themes of American foreign policy. Topics include containment, deterrence, détente, changing bases of national power, foreign policy development, terrorism, narco-criminality and environmental issues.

**PO 285 Future Politics 3 CR**
Explores the transformation of America and the planet. Consequences of shift from industrial to informational to networked economy on environment, society, careers, domestic and international politics are studied.

**PO 291 Ethics and International Politics 3 CR**
Role of ethics and morality in international politics. Synthesis of religion and Idealism, national interest and Realism in foreign policy.

**PO 299 Special Topics in Political Science 3 CR**
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an
experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

†PO 301 Development of Ancient and Medieval Political Theory 3 CR
Examines the political views of the early philosophers from ancient Greece to the Middle Ages. Plato, Aristotle and the later development of classical political thought through selected works of Roman and medieval theorists are studied.

†PO 302 Development of Modern Political Theory 3 CR
Explores modern political thinkers from Machiavelli to contemporary times. Treatments of Machiavelli, Luther, Hobbes, Rousseau, Jefferson, Marx, Arendt and Havel.

†PO 303 Modern Political Ideologies 3 CR
Explores major political ideologies that guide and shape our thoughts and political lives as well as those of millions globally. Topics include liberalism, conservatism, democracy, socialism, communism and fascism.

PO 305 Ethics and Politics: Profiles of Practicing Politicians 3 CR
Readings in ethics and the lives of practicing politicians from George Washington to the present that reaffirm foundations of democratic life, including virtue, integrity, honor and trust. Class dialogue with public officials.

†PO/EC 311 Comparative Western European Politics 3 CR
A comparative analysis of the governments and politics of France, Germany and the United Kingdom. Similarities and differences are explored with respect to patterns of political culture, behavior and institutions.

†PO/EC 312 Comparative Eastern European Politics 3 CR
Examines the political systems of Eastern Europe as they reshape themselves in the aftermath of Soviet domination and tyranny. Political and economic relations with the European Union are studied.

PO/EC 313 The Politics of European Integration 3 CR
Explores the political complexities associated with the integration of European nations. The structure and function of European governing institutions are examined and analyzed.

†PO 314 Middle East Politics 3 CR
Problems and prospects of the Middle East. Area history, culture, Islam, intrusion of the West, oil, impact of personalities, Arab-Israeli problem, modernization and Islamic fundamentalism are studied.

†PO 315 Latin American Politics 3 CR
Introduces students to the political culture and structures of Latin America. Explores the roots of political instability and the challenges associated with establishing democratic government.

†PO 316 South Asian Politics 3 CR
Explores the political cultures, religious traditions, governing structures, key personalities and political tensions in several South Asian countries.

PO 318 Interpersonal Communication in the Culturally Diverse Workplace 3 CR
Theory and practice of face-to-face communication in culturally diverse organizations. Cultural paradigms of major workforce demographic groups. Emphasis is on acquisition of appropriate communication skills.

PO/LW 321 Public Administration 3 CR
Survey of organizational theories and professional skills useful to those contemplating public sector service. Addresses public service context, planning, budgeting, communication, leadership and other skills.
†PO 322 American Public Policy 3 CR
Models of policy making. Examines government policies toward civil, gender and minority rights, crime, health, welfare, education, environment and other areas.

†PO 323 Leadership of Organizations 3 CR
Focuses on the role of leadership in organizations. Readings, discussions, workshops, simulations and role-playing to sharpen student skills in career areas. Intended for nonbusiness majors.

†PO/LW 325 Politics, Law and Judicial Behavior 3 CR
Examines the judiciary's role in the American political process. Topics include the nature of law, political influence in judicial decision making, court organization, judicial recruitment and the powers and limitations of the judiciary. Prerequisite: PO 121

PO 330 Computer-Simulated Foreign Policy 3 CR
Simulations of international political systems. College students from the United States and around the world interactively conduct foreign policy of actual nations via the Internet.

†PO 341 International Law 3 CR
Traces the development of international law and reviews principles and cases in major topical areas.

†PO/LW/CJ 200 Constitutional Law 3 CR
An inquiry into American constitutional law through the study of outstanding cases. Attention is given to the development of constitutional doctrines and the processes of legal reasoning. Prerequisite: PO 121

†PO/LW/CJ 352 The First Amendment 3 CR
Examines U.S. Supreme Court cases involving the freedom of religion, speech, press, assembly and petition. Special attention is given to the balance between personal liberty and societal order. Prerequisite: PO 121

PO 391 Internship Program 3–6 CR
Congressional district staff, state Capitol or Washington, D.C., internships; election campaign and party organization internships; not-for-profit organization internships and others. Prerequisite: Permission of department chair

PO 395 Seminar in Political Science 3 CR
Advanced study of a particular theme or topic in a seminar setting. Prerequisite: Junior or Senior standing or permission of the instructor

PO 399 Independent Study 1–3 CR
Guided study of a topic that goes beyond normal course offerings under the direction of a member of the Political Science faculty. Approval of the chair of the Political Science program required. By special arrangement.

Psychology
The Psychology program provides students with a basic foundation in the scientific study of human behavior. This background is of value to two groups of students: those who enter the employment market after completion of the Baccalaureate degree and those who further their education through graduate study and pursue a career in psychology or a related field.

The department offers courses on conducting experimental research, as well as providing internship opportunities and a wide range of elective courses covering many different areas of interest.

Faculty
Carol M. Batt, Ph.D., Associate Professor
Rachel E. Bowman, Ph.D., Assistant Professor
Donald W. Brodeur, Ph.D., Professor
Maureen A. Conard, Ph.D., Assistant Professor
Elizabeth Johnson-O’Connor, Ph.D., Visiting Assistant Professor
Kathryn M. LaFontana, Ph.D., Associate Professor and Chair
Edward W. Malin, Ph.D., Associate Professor
Mindy Miserendino, Ph.D., Assistant Professor
Shirley Pavone, Ph.D., Visiting Assistant Professor
Christina J. Taylor, Ph.D., Associate Professor
Amy Van Buren, Ph.D., Assistant Professor
Albert Wakin, M.S., Sixth Year, Instructor

Major in Psychology
The major in Psychology requires the completion of 33 credits.

Required Courses
PS 101 General Psychology I
PS 102 General Psychology II
PS 301 (formerly PS 151) Statistics for the Behavioral Sciences
PS 302 (formerly PS 152) Research Design and Analysis
PS 351 Physiological Psychology
PS 360–371 Experimental Psychology (two courses) (formerly PS 260–271)
PS 382 Systems and Theories of Psychology
PS 396 Field Experience in Psychology
Two Psychology electives, neither one of which may be an experiential course.

Minor in Psychology
The minor in Psychology requires the completion of the following 18 credits.

Required Courses for Minor
PS 101 General Psychology I
PS 102 General Psychology II
PS 382 Systems and Theories of Psychology*
Three Psychology electives. Only one experiential course may be applied to the minor.

*Note: PS 302 (formerly PS 152) is not required as a prerequisite for PS 382 for Psychology minors.

Associate in Arts General Studies
Emphasis Requirements Psychology (15 credits)
PS 101 General Psychology I
PS 102 General Psychology II
Three Psychology electives (only one experiential course may be taken)

Course Descriptions
PS 101 General Psychology I 3 CR
Introduction to psychology as the science of behavior, focusing on the individual as an adapting biological system. History, methodology and physiological bases of behavior are emphasized.

PS 102 General Psychology II 3 CR
A continuation of PS 101 covering social and personality factors, human development, behavioral disorders, and applied psychology. Prerequisite: PS 101

PS 211 Human Sexuality 3 CR
An in-depth analysis of issues relating to human sexuality, including historical perspectives and their significance, research evaluation, gender identity, communication, sexual response and sexual dysfunction and its treatment. Prerequisite: PS 101

PS 212 (formerly PS 311) Abnormal Psychology 3 CR
Examines various mental disorders, such as schizophrenia, bipolar disorder, brain damage, retardation, sexual deviations. Prerequisite: PS 101

PS 215 Social Psychology: Interpersonal Factors 3 CR
Shows how people are affected by the persons around them. Topics include: person perception, first impressions, interpersonal attraction, non-
PS 220 (formerly PS 120) Drugs: Use and Abuse in Contemporary Society 3 CR
Examines the nature of drug use, legal and illegal, in contemporary society. Emphasis is on behavioral and physiological effects of psychoactive substances, addictions, rehabilitation strategies and ethical issues. Prerequisite: PS 101

PS 222 (formerly PS 122) Sports Psychology 3 CR
Provides information on and facilitates understanding of individual sport behavior. Emphasis is on the psychological constructs and concepts that relate to and help explain the phenomena of sports performance. Prerequisite: PS 101

PS 231 (formerly PS 331) Psychological Tests and Measurements 3 CR
Examines principles, theories, applications and ethics of psychological tests used for clinical, educational, industrial or legal purposes. Specific tests and issues unique to their use and abuse are presented. Prerequisite: PS 101

PS 233 (formerly PS 133) Introduction to Clinical Psychology 3 CR
Provides an understanding of basic principles and tools used in clinical practice to implement behavioral interventions. Students are expected to master some of the elemental principles of cognitive-behavioral therapy and to demonstrate the applicability of these principles to their own experience. Prerequisite: PS 101

PS 241 Psychology of Personality 3 CR
Explores scientific perspectives on personality including trait, biological, Freudian, neo-Freudian, social learning and humanistic. Prerequisite: PS 101

PS 251 Life Span Development 4 CR
This is a life span development course including traditional and contemporary developmental theories as applied to areas such as personality, cognitive, social-emotional, and moral-spiritual development. This course is intended to fulfill prerequisites for Nursing and pre-Occupational Therapy students. Prerequisite: PS 101

PS 252 Child Development Psychology 3 CR
Traces development from conception through childhood, including basic concepts and theories as applied to psychological processes of perception, cognition, social interactions, affective and moral development. Prerequisite: PS 101

PS 255 Industrial and Organizational Psychology 3 CR
Explores theories and methods involved in application of the psychological principles in work settings. Emphasis is on understanding theory, research, learning methods and techniques used in practice. Prerequisite: PS 101

PS 256 Consumer Psychology 3 CR
Examines psychological, social, and behavioral processes involved in consumer behavior, with a special emphasis on ethical issues. Prerequisite: PS 101

PS 273 Adolescent Development 3 CR
An in-depth study of developmental and behavioral issues in adolescence. Emphasis is on adjustment to adolescent roles, the search for self-identity, and healthy and unhealthy personality development. Prerequisite: PS 101

PS 274 Adult Development 3 CR
Considers various psychological issues and developmental tasks of adulthood and middle age, psychological characteristics of the elderly, and the psychology of death and dying. Prerequisite: PS 101
PS 275 (formerly PS 171) Psychology of Women 3 CR
Surveys and examines current research and theories about women and gender. Topics include: gender-role stereotypes, attitudes toward women, gender-role socialization, women and work, sexuality, marriage, love and the biology of women. Prerequisite: PS 101

PS 285 Psychological Counseling I 3 CR
Deals with the fundamental principles of counseling, and involves the study of several different theoretical approaches, including client-centered and rational-emotive. Prerequisite: PS 101

PS 286 (formerly PS 321) Psychological Counseling II 3 CR
Presents further dimensions of the helping relationship and the approaches of reality, cognitive and Gestalt therapy. Audiocassettes of students' counseling efforts are critiqued in class. Prerequisite: PS 285

PS 295 (formerly PS 195) Health Psychology 3 CR
Focuses on the relationship between attitudes and personality factors and health. Emphasis is on stress management and behavioral change methods for health improvement and maintenance. Prerequisite: PS 101

PS 299 Special Topics in Psychology 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

PS 301 (formerly PS 151) Statistics for the Behavioral Sciences 3 CR
An introduction to the basic concepts and techniques of statistics within the context of psychological research. Topics include: organization of data, measures of central tendency and variability, correlation, sampling error, parametric and nonparametric tests of significance and an introduction to analysis of variance. Prerequisites: PS 101, Grade of C or better in two semesters of college-level mathematics

PS 302 (formerly PS 152) Research Design and Analysis 3 CR
A course on the application of statistical principles to the mechanics of the scientific method within the context of psychological research. Emphasis is on the design of models for hypothesis testing, relation of theory to hypothesis and control of extraneous variables. Prerequisite: PS 301 (formerly PS 151)

PS 351 Physiological Psychology 3 CR
Examines the molecular and molar views of the nervous and endocrine systems and emphasizes the roles of these systems in behavior. Prerequisite: PS 101

PS 360-371 (formerly PS 260-271) Experimental Psychology 3 CR
A series of courses covering research techniques and literature in a particular area of psychology. Laboratory work is included. Six credit hours (two courses) are required for major. Prerequisite: PS 302 (formerly PS 152). Individual course names are as follows:
- PS 360 (formerly PS 260) Psychometrics
- PS 361 (formerly PS 261) Perception
- PS 362 (formerly PS 262) Learning
- PS 363 (formerly PS 263) Sensation
- PS 364 (formerly PS 264) Emotion
• PS 365 (formerly PS 265) Cognitive
• PS 366 (formerly PS 266) Social
• PS 367 (formerly PS 267) Motivation
• PS 368 (formerly PS 268) Developmental
• PS 369 (formerly PS 269) Physiological
• PS 370 (formerly PS 270) Indust./Organiz.
• PS 371 (formerly PS 271) Clinical

PS 382 Systems and Theories of Psychology 3 CR
An historical survey of theoretical formulations and systems in psychology. Evaluates structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis and humanistic and cognitive orientation. Prerequisites: PS 302 or PS 152 (for Psychology majors only) and junior standing

PS 390–395 Psychological Research 1–6 CR
A Senior course in which selected students conduct original independent research culminating in a formal written report at the end of the semester. By special arrangement with chairperson.

PS 396 Psychology Internship 3 CR
Integrates theory and practice with supervised placement in agencies, schools and/or institutions. Seminars focus on career assessment, personal growth and work skills. Junior and Senior Psychology majors and minors only. Prerequisites: PS 302 or PS 152 and a Psychology elective

Religious Studies
Throughout the history of culture, religion has played an enormous role in shaping and determining human actions, perceptions and institutions. Consequently, the failure to explore the religious dimension of human experience must render that experience largely incomprehensible. None of the disciplines traditionally classified under the rubric of the humanities can afford to ignore the basic religious questions, and Religious Studies itself occupies a central position among these disciplines.

Humanistic in its orientation, the study of religion relies partially on the social sciences for its methodological apparatus. The student of religion must learn to play the roles of anthropologist, sociologist and psychologist as well as philosopher, historian and literary critic. Specific courses in the program examine the various symbols and myths, rituals and creeds, events and institutions that illuminate religious imagination and understanding. In addition, the student is encouraged to investigate the cultural interaction between religion and both the natural sciences and the arts.

Faculty
Walter E. Brooks, Ph.D., Associate Professor
Anthony J. Cernera, Ph.D., Professor
June Ann Greeley, Ph.D., Assistant Professor
Richard M. Grigg, Ph.D., Professor
Christel J. Manning, Ph.D., Associate Professor
Brian Sultner, Ph.D., Assistant Professor

Major in Religious Studies
The major in Religious Studies requires the completion of 33 credits.

Required Courses
RS 101 Introduction to the Study of Religion
10 Religious Studies electives selected in consultation with a department advisor

Minor in Religious Studies
The minor in Religious Studies requires the completion of 18 credits.

Required Courses for Minor
RS 101 Introduction to the Study of Religion
5 Religious Studies electives selected in consultation with a department advisor

Associate in Arts General Studies

Emphasis Requirements (15 credits)
RS 101 Introduction to the Study of Religion
4 Religious Studies electives
Course Descriptions

Note: courses with an asterisk (*) are open to both undergraduate and graduate students.

†RS 101 Introduction to the Study of Religion 3 CR
A critical and constructive study of the nature of religion, its functions in human life and its various forms and manifestations.

†RS 210* Modern Biblical Criticism and the Gospels 3 CR
An in-depth analysis of the development of modern biblical criticism and its impact on understanding the Gospels of the New Testament. Prerequisite: RS 101

†RS 211* Introduction to the Hebrew Bible/Old Testament 3 CR
Development of the major traditions of the Hebrew Bible. Authorship of these traditions, why they were written and what historical circumstances they were responding to. Prerequisite: RS 101

RS 212* Christology 3 CR
Examines the theological interpretation of Jesus as the Christ in the history of the Christian tradition. Prerequisite: RS 101

†RS 213* Comparative Religion 3 CR
Central themes in the major religions of the world: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam. Prerequisite: RS 101

†RS 214* Introduction to Eastern Religions 3 CR
Explores history, beliefs and practices of Hinduism, Buddhism and other religions of India, China and Japan and the emergence of the contemporary New Age movement. Prerequisite: RS 101

RS 216* Celtic Religious Tradition 3 CR
The course is concerned with the mythic history of Ireland, and "beginning" of the Irish, and the traditions by which the Irish have come to identify themselves and give meaning to their world. Students study the religious function of social institutions; gods, goddesses and ruling powers; holy places; feasting and sacrifice; spirits and ancestors; and the other world. The class also looks at the role of women in these traditions and what these traditions mean with regard to such issues as our own estrangement from the natural order. The continuation of "myth" in modern Ireland is also studied in this course. Prerequisite: RS 101

†RS 217* Introduction to Western Traditions 3 CR
Explores history, beliefs and practices of Judaism, Christianity and Islam and emergence of contemporary Fundamentalist movement. Prerequisite: RS 101

†RS 218* Cults, Sects and New Religious Movements 3 CR
Explores beliefs and practices of new religions in America, including Mormonism, Unification Church, Christian Science, Scientology, Theosophy, New Age, Neopaganism and UFO cults. Presents both sociological and theological approaches to understanding new religions. Prerequisite: RS 101

†RS 219* Women in World Religions 3 CR
Critical analysis of women's role in Eastern and Western religions, as well as Native American and African traditions. Prerequisite: RS 101

RS 220 Women in Church History 3 CR
An examination of the roles that women have played in the history of Christianity. Prerequisite: RS 101

RS 221* Religion and Politics 3 CR
Critical analysis of ideal and actual relationships between religion and politics in modern democratic society. Topics include the Religious Right, feminist spirituality, and Nation of Islam. Prerequisite: RS 101
RS 224* The Gospel of John 3 CR
Prerequisite: RS 101

†RS 229* The Historical Jesus 3 CR
Investigates what can be known of the historical Jesus through a proper methodological examination of the sources. Special emphasis is on the parables of Jesus. Prerequisite: RS 101

†RS 230* The Death and Resurrection of Jesus 3 CR
Traces the development of the traditions of the death and resurrection of Jesus as they are found in the gospels of Matthew, Mark, Luke and John. Prerequisite: RS 101

†RS 231 The Resurrection Traditions 3 CR
Examines traditions of the Resurrection as they developed in the earliest Christian period and how they were presented by the Gospel writers. Prerequisite: RS 101

†RS 232* Contemporary Religious Thinkers 3 CR
Representative writings of a specific religious thinker. Focus is on the work of either an important theologian or a contemporary scholar of religion. Consult the course instructor for the topic. Prerequisite: RS 101

RS 233* Religion and Ecology 3 CR
Examines how religion has shaped humanity's relationship with nature, and explores various religious and philosophical responses to contemporary ecological problems. Prerequisite: RS 101

RS 235* Religion and Sexuality 3 CR
Course examines the relationship between religion and sexuality in various world religions. Topics include asceticism vs. eroticism; defining normality and deviance; sex as a means to challenge or maintain the social order; religious responses to the changing sexual morality in contemporary Western society. Prerequisite: RS 101

†RS 240* Understanding Theology 3 CR
An introduction to the nature and role of theology. Investigates both academic, or "public," theology and confessional, or "church-centered," theology. Prerequisite: RS 101

†RS 243* The Development of Christian Thought 3 CR
How the central doctrines of Christianity have developed from the first century until the end of the Middle Ages as well as particular figures like Augustine, etc. Prerequisite: RS 101

RS 244 Christian-Jewish Understanding 3 CR
This course examines the historical and theological relationship between Judaism and Christianity beginning at the time of Jesus, which resulted in the separation of and misunderstanding between Christians and Jews through the Patristic period, Renaissance, Middle Ages, until the present time. Particular attention is paid to the recent positive studies in interreligious understanding advanced by the Second Vatican Council. Prerequisite: RS 101

†RS 245* Contemporary Roman Catholic Thought 3 CR
Various thinkers and movements that have shaped contemporary Roman Catholic life and thought, including Karl Rahner, the Second Vatican Council and liberation theology. Prerequisite: RS 101

†RS 246* Constructing the Concept of God 3 CR
Imaginative construction of a concept of God appropriate for modern life. Prerequisite: RS 101

RS 247 Christian-Jewish Relationships and Contemporary Church Teachings 3 CR
This course studies the dramatic positive strides in interreligious understanding advanced by the Second Vatican Council and the continued good relations between Christians and Jews. Theological, pastoral, liturgical and pedagogical implications of the last 35 years are discussed. Prerequisite: RS 101; recommended: RS 244
†RS 248* Contemporary Protestant Thought 3 CR
Some of the most important Protestant theologians of the 19th and 20th centuries, including Kierkegaard, Schleiermacher, Barth and Tillich. Prerequisite: RS 101

†RS 249 Contemporary Jewish Thought 3 CR
A survey and comparison of the writings of contemporary Jewish thinkers such as Buber, Heschel, Rosenzweig and Fackenheim. Prerequisite: RS 101

†RS 255* History of Christian Ethics 3 CR
The ethical reflections of some of the most influential Christian thinkers from the Church Fathers to the present (e.g., Augustine, Thomas Aquinas and Martin Luther) applied to various important topics of ethical debate in Christian history (e.g., the notion of just war). Prerequisite: RS 101

†RS 257* Contemporary Moral Issues 3 CR
A religious-ethical examination of moral issues that involve a significant conflict of values in contemporary society, such as economic inequality, racism, violence, sexual ethics and bioethics. Service learning may be required in some sections. Prerequisite: RS 101

†RS 258* Issues in Religious Ethics 3 CR
Important issues confronting the contemporary attempt to construct a philosophically and theologically adequate ethical methodology. Prerequisite: RS 101

RS 260 Bioethics 3 CR
Introduces students to the methods and principles of biomedical ethics, and explores several ethical issues in medical practice and health care policy. The theoretical frameworks employed include religious-ethical perspectives in Christianity and some other religious traditions, as well as philosophical and social critiques and proposals. Major topics covered include euthanasia, reproductive technologies, human cloning, consent for experimentation and allocation of health care resources.

†RS 261* Symbol, Myth and Ritual 3 CR
Notions of symbol, myth and ritual, as well as an introduction to the use of symbols, myths and rituals in a wide variety of religious traditions. Prerequisite: RS 101

†RS 263* Summer Institute 3 CR
Consult Religious Studies Department for course topics. Prerequisite: RS 101

†RS 265* Problems in the Philosophy of Religion 3 CR
Problems concerning the nature and justification of religious belief and experience from the viewpoints of philosophical analysis and religious existentialism. Prerequisite: RS 101

†RS 268* Classics of Western Spirituality 3 CR
Great spiritual masters of the Western religious traditions (e.g., John of the Cross, Theresa of Avila, Ignatius Loyola, Teilhard de Chardin, Martin Buber and Thomas Merton). Prerequisite: RS 101

†RS 269* Sociological and Psychological Approaches to Religion 3 CR
Theories and methods of research on religion, its provision of meaning to individuals and its exercise of power on social institutions. Off-campus research required. Prerequisite: RS 101

†RS 270* Religion, Business and Society 3 CR
Applies theological and ethical perspectives on human work and social responsibility to the practice of modern business and to various problems in the national and international economy. Prerequisite: RS 101
RS 271* Love, Sex and Marriage 3 CR
Explores the biblical and theological sources of Christian understandings of human sexuality and marriage. Those sources are used to develop responses to contemporary issues in sexual ethics, such as premarital sexuality, contraception, gay marriage, abortion, and divorce and remarriage. Prerequisite: RS 101

†RS 273* Women Writers and the Religious Quest 3 CR
An encounter with the experiences and stories of Atwood, Lessing, Rich, Chopin and other women writers who provide a new orientation to the sacred. Prerequisite: RS 101

†RS 275* Death 3 CR
Examines the concept of “death”—the central reality in human life and that which makes authentic, full, human and humane life possible. Prerequisite: RS 101

RS 281 Religion, Health and Healing 3 CR
Explores theories and practices of healing in Eastern, Western and Primal religions. Examines research on connections between religion and health and efficacy of alternative and spiritual therapies. Prerequisite: RS 101

†RS 289 Religion, War and Peace 3 CR
An examination of various attitudes toward war and peace embraced by Christian tradition and other religions. Prerequisite: RS 101

†RS 291 Religious Themes in Contemporary Fiction 3 CR
Explores the religious dimensions in the fiction of writers such as Cynthia Ozick, John Cheever, Toni Morrison and Italo Calvino. Prerequisite: RS 101

†RS 292* Film Seminar: Religion in Film 3 CR
Examines the “religious dimensions” of a wide range of films. The course considers both subject matter and style/techniques. Prerequisite: RS 101

†RS 294* Elementary New Testament Greek 3 CR
Introduction to the nominal and verbal systems of Hellenistic Greek as a basis for reading the Greek New Testament. Prerequisite: RS 101

RS 299 Special Topics in Religion 3 CR
Designates new or occasional courses capitalizing on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department. Prerequisite: RS 101

†RS 301 The Church: Roman Catholic Perspectives 3 CR
An investigation of Catholic thinking and teaching about the nature of the Church. Prerequisite: RS 101

†RS 302 The Roman Catholic Sacraments 3 CR
Explores the history of the sacraments, the theology behind them and their role in contemporary Catholic life. Prerequisite: RS 101

Social Work
Social work is both a profession and a method of helping. As a profession, social work assists individuals, families, groups, organizations and the community in the identification of personal, interpersonal and environmental problems and in bringing about the necessary change that will resolve, minimize or prevent these problems. As a method of helping, social work involves purposeful use of professional knowledge, skills and values to facilitate development and change in individuals or larger systems.

The Baccalaureate Social Work Program employs a liberal arts perspective that provides students with both analytical and conceptual skills, as well as interactional skills that allow them to implement planned change and to intervene in problem situations.

The major in Social Work prepares students for professional generalist social work practice at the beginning level and for graduate study. The bac-
The major in Social Work requires the completion of 51 credits.

The student majoring in Social Work is advised to take BI 010 or BI 030, PS 101 and SO 254 as part of the elective core, since these are prerequisites for certain Social Work courses. The student is required to maintain an overall GPA of 2.5 or higher and a GPA of 2.5 or higher in required major courses.

Required Courses
SO 101 Sociology: An Introduction
SO 215 Social Psychology: Macroprocesses
SO 239 American Minorities
SW 101 Introduction to Social Work
SW 265 Social Welfare as a Social Institution
SW 266 Social Welfare Policy and Services
SW 267 Human Behavior and the Social Environment I
SW 268 Human Behavior and the Social Environment II
SW 275 Social Work Practice I
SW 278 Junior Field Practicum
SW 279 Junior Field Practicum Seminar
SW 375 Social Work Practice II
SW 378 Senior Field Practicum I
SW 379 Senior Field Practicum Seminar I
SW 380 Senior Field Practicum II
SW 381 Senior Field Practicum Seminar II
SW 390 Research Methods for Social Work

Course Descriptions

SW 101 Introduction to Social Work 3 CR
Explores the profession of social work as a career choice. Focuses on generalist social work practice as a problem-solving response to social problems with an orientation to professional knowledge, skills, values and ethics. Prerequisite: SO 101

SW 110 Human Relations: An Introduction to Helping 3 CR
Provides the theory and experience necessary to develop effective interpersonal skills for personal and professional use. Emphasis is on listening, confrontation, problem solving, conflict management, self-awareness and interpersonal helping.

SW 130 Issues and Problems in the Life Cycle of the Family 3 CR
Examines family development and the problems and challenges at each stage of the family life cycle. Cultural diversity, parent-child interactional patterns and family problem solving are included.

SW 140/CJ 254 Perspectives on Family Violence 3 CR
The effects and characteristics of family violence from the legal, medical and social perspectives. Incidence and preconditions of child abuse, spousal abuse and elder abuse are studied.

SW 150 Child Sexual Abuse: Myths and Realities 3 CR
Examines this problem in American society from the historical, legal, moral and treatment perspectives. Emphasis on recognizing indicators of sexual abuse, formulating assessments and planning for intervention.

SW 160 Perspectives on Death and Dying 3 CR
Societal attitudes toward death and dying, stages of loss, grieving and the healing process. Topics include suicide, euthanasia and religious and cultural influences on attitudes about death.
SW 265 Social Welfare as a Social Institution 3 CR
An introduction to the social service delivery system and resources, the values and ethics inherent in policy, and the role of the social work profession. Includes a global perspective on comparative social welfare systems. Prerequisite: SW 101

SW 266 Social Welfare Policy and Services 3 CR
Examines how social policy is formulated and implemented with a focus on the inequalities and inequities in social welfare policy that express institutional discrimination. Emphasizes the development of macropractice skills. Prerequisites: PO 121, 254 and SW 265

SW 267 Human Behavior and the Social Environment I 3 CR
Theories of human development with emphasis on stages of the life cycle; human diversity; and the biological, psychological, socioeconomic and cultural influences on development. Prerequisites: BI 010 or BI 030, PS 101 and SW 101

SW 268 Human Behavior and the Social Environment II 3 CR
A study of diverse family, group, community and organizational systems and their impact on human development and behavior. Theoretical knowledge and assessment skills will be emphasized. Prerequisite: SW 267

SW 275 Social Work Practice I 3 CR
Emphasizes the generalist model of social work practice, the use of systems theory and professional values and skills to facilitate the planned change and problem-solving process. Prerequisites: Junior standing and SW 101

SW 278 Junior Field Practicum 4 CR each
Internship for two days each week in a human service agency where students are professionally supervised in social work practice with clients and the community. Prerequisites: SW 265, SW 267, SW 275, and departmental evaluation for admission to intermediate major status; corequisite: SW 279

SW 279 Junior Field Practicum Seminar 2 CR
Taken concurrently with SW 278, this course facilitates, reinforces and supports field-based learning. Emphasizes engagement, assessment, treatment planning, interviewing skills and professional values and ethics. Corequisite: SW 278

SW 299 Special Topics in Social Work 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and current prerequisites.

SW 375 Social Work Practice II 3 CR
Examines intervention skills with individuals, families, groups, communities and organizations using the planned change process. Introduces spirituality in social work practice. Prerequisite: SW 275

SW 378 and 380 Senior Field Practicum I and II 4 CR each
Professionally supervised Senior internship for two days each week. Integration of theory with practice and development of appropriate skills and knowledge, along with professional identification, values and attitudes. Prerequisites: SW 278 and SW 279 and evaluation for admission to degree candidacy status; corequisites: SW 379 and SW 381

SW 379 and SW 381 Senior Field Practicum Seminar I and II 2 CR each
Emphasis is on professional development, the use of research methods to evaluate one’s own practice and application of theory from the entire cur-
curriculum to professional practice. Corequisites: SW 378 and SW 380

**SW 390 Research Methods for Social Work** 3 CR
Development of research skills for evaluation and enhancement of social work practice. Emphasizes research designs, sampling, practice evaluation, program evaluation, measurement instruments and basic statistics. Prerequisite: Junior standing

**Sociology**
The Sociology program offers a course of study through which students acquire an understanding of the workings of social life and modern society. The program fosters the critical and analytical skills that enable an individual to understand the world. In addition, the program provides excellent preparation for graduate studies in Sociology and in other fields such as Human Resources, Public Administration and Law.

**Faculty**
Nicole X. Cauvin, Ph.D., Professor
Stephen J. Lilley, Ph.D., Associate Professor
Gerald F. Reid, Ph.D., Associate Professor
Grant Walker, Ph.D., Associate Professor

**Major in Sociology**
The major in Sociology requires the completion of 36 credits.

Students interested in a concentration in social research or in preparation for graduate work in Sociology should consult with their advisor before selecting courses.

**Required Courses**
AN 102 Cultural Anthropology
SO 101 Sociology: An Introduction
SO 200 Social Issues and Social Change
SO 370 Sociological Theories
SO 371 Contemporary Social Thought
SO 380 Methods of Social Research I
SO 381 Methods of Social Research II

SO 398 Senior Seminar in Sociology

**Elective Course Requirements**
Four Sociology electives are required, with at least one from each of the following: microsociology, micro/macrosociology and macrosociology.

**Microsociological Courses**
SO 203 Marriage and the Family
SO 204 Health and Lifestyle
SO 215 Social Psychology: Macroprocesses
SO 319 Special Topics in Microsociology

**Micro/Macrosociological Courses**
SO 232 Cities in Crisis
SO 233 Aging in America
SO 234 Sociology of Health and Health Care
SO 235 Criminology
SO 236 Juvenile Delinquency
SO 237 Deviance and Social Control
SO 239 American Minorities
SO 332 Statistics for the Social Sciences
SO 333 Opinion Polling
SO 334 Men, Women and Society

**Macrosociological Courses**
SO 252 Social Class and Inequality
SO 253 The Global Social System
SO 254 Society and Economic Change
SO 256 Political Sociology
SO 258 Society and the Environment
SO 354 Global Health and Illness
SO 355 Changing Human Populations
SO 359 Special Topics in Macrosociology

**Additional Requirements**
Three courses (nine credits) from the related fields of Anthropology (must be 200-level courses), Economics, Psychology and Political Science. No more than two courses in any one field can be used to satisfy this requirement. These courses can also be used to satisfy core requirements.

**Minor in Sociology**
The minor in Sociology requires the completion of the following 18 credits:
Required Courses
AN 102 Cultural Anthropology
SO 101 Sociology: An Introduction
SO 200 Social Issues and Social Change
Three Sociology electives

Associate in Arts General Studies
Emphasis Requirements (15 credits)

Required Courses
AN 102 Cultural Anthropology
SO 101 Sociology: An Introduction
SO 200 Social Issues and Social Change
Two Sociology electives: no more than one from each group of microsociology, micro/macrosociology and macrosociology courses.

Course Descriptions
†SO 101 Sociology: An Introduction 3 CR
An introduction to the study of groups, society and culture with an emphasis on how these and other social forces shape human behavior.

†SO 122 Sociology of Sports 3 CR
The reciprocal relationship between sports and the society in which they are embedded. Societal values, governance, discrimination, technology, education and sports structures in societies. Prerequisite: SO 101

†SO 200 Social Issues and Social Change 3 CR
Social issues and the changes they lead to at the microsociological and macrosociological levels. Processes of social change at different levels of social organization and the consequences of social change for individuals, groups, organizations, societies and the world are studied. Prerequisite: SO 101

†SO 213 Marriage and the Family 3 CR
Examines family in terms of structure, roles and functions. Emphasis on understanding family life cycles; change in motivation to marry, divorce and remarry; nontraditional relationships and parenting roles. Prerequisite: SO 200 for Sociology majors, all other students SO 101

†SO 214 Health and Lifestyle 3 CR
Examines how relationships with other individuals, cultural norms, gender roles, work environments and other social factors affect health for better or for worse. Prerequisite: SO 200 for Sociology majors, all other students SO 101

†SO 215 Social Psychology:
Macroprocesses 3 CR
Explores social and cultural forces that influence individual social interaction. Covers components of individual social behavior and interpersonal social behavior. Prerequisite: SO 200 for Sociology majors, all other students SO 101

†SO 232 Cities in Crisis 3 CR
Addresses urban lifestyles, urban inequality, urban problems and urban conflicts. Urbanization and dispersion are covered, including gains and losses in populations, business and industry. Prerequisite: SO 200 for Sociology majors, all other students SO 101

†SO 233 Aging in America 3 CR
Explores the social, political and economic state of the nation's elders, including ageism and American culture, solvency of the Social Security and Medicare systems, and nursing home care. Prerequisite: SO 200 for Sociology majors, all other students SO 101

†SO 234 Sociology of Health and Health Care 3 CR
Focuses on the social nature of illness in contemporary society, the changing health care system and the ethical issues raised by advances in medical technology. Prerequisite: SO 200 for Sociology majors, all other students SO 101

†SO 235 Criminology 3 CR
Analyzes criminal behavior, including a review of
theories of crime causation, society’s efforts to cope with criminal behavior and the public perceptions of crime. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 236 Juvenile Delinquency 3 CR
Examines the social meaning of juvenile delinquency and the diverse types of delinquent behavior. Theories, research and available data are covered as well as attention to recent changes in juvenile justice. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 237 Deviance and Social Control 3 CR
Explores the creation of deviance, the process of becoming deviant and society's reactions to such issues as civil disorder, crime, mental illness, addiction and sexual deviance. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 239 American Minorities 3 CR
Emphasis in this course is on human diversity. It is designed to give students an understanding of the conditions that lead to minority emergence and the consequences of minority status; it fosters acceptance of diversity, cultural pluralism and social change in America. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 252 Social Class and Inequality 3 CR
Covers the distribution of wealth, power and prestige. The class structure, the urban "underclass," the poor, the homeless, the middle class and the superrich. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 253 The Global Social System 3 CR
This course is designed to give students an understanding of the world system as a social system. Emphasis is on the social processes resulting from interaction over time in the world system. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 254 Society and Economic Change 3 CR
Emphasis is on the impact of the capitalist system and economic organizations on consumerism and globalism. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 256 Political Sociology 3 CR
Examines how corporations, social movements, interest groups, governments and other large-scale organizations amass power and use power to pursue objectives. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 258 Society and the Environment 3 CR
Studies the place and impact of society in the environment, including the impact on society from ecological damage, pollution, deforestation, erosion and depletion of nonrenewable resources. Examines the environmental movement and the process of change in the relationship between society and the rest of earth’s ecosystem. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 319 Special Topics in Microsociology 3 CR
Detailed and comprehensive analysis of a microsociological issue or problem of current interest. Specific topic is announced in the course schedule of any given semester. **Prerequisite:** SO 200 for Sociology majors, all other students SO 101

*M* 332 Statistics for the Social Sciences 3 CR
Focuses on interpretation more than calculation. Meaning, purposes and limits of statistics. Covers distributions, central tendency, dispersion, estimates, inference, hypothesis testing, analysis of variance, chi-square, correlation and regression. **Prerequisites:** SO 200 for Sociology majors (all other students SO 101), and C or better in MA 101 or equivalent or any higher level college mathematics course

*M* 333 Opinion Polling 3 CR
Explores principles and methods of public opinion research. Conducting an opinion poll while studying the theory, advantages and limitations of
this type of research is part of this course. 
Prerequisite: SO 200 for Sociology majors, all other students SO 101

†SO 334 Men, Women and Society 3 CR
The purpose of this course is to develop students’ gender awareness in order for them to realize that acceptance of males and females as equal human beings is an orientation that requires understanding of institutions and structures. Prerequisite: SO 200 for Sociology majors, all other students SO 101

SO 354 Global Health and Illness 3 CR
Examines the inequities of health care across the world and specific issues such as the AIDS pandemic, malnutrition, pollution and the use of dangerous pesticides. Prerequisite: SO 200 for Sociology majors, all other students SO 101

SO 355 Changing Human Populations 3 CR
Examines the continuing change in the size, composition and geographic distribution of human populations at the local, national and global levels. The impacts of changing fertility, age structures, sex ratios, and birth, death and migration rates are explored. Prerequisite: SO 200 for Sociology majors, all other students SO 101

SO 359 Special Topics in Macrosociology 3 CR
Detailed and comprehensive analysis of a macrosociological issue or problem of current interest. Specific topic is announced in the course schedule of any given semester. Prerequisite: SO 200 for Sociology majors, all other students SO 101

SO 370 Sociological Theories 3 CR
Analysis of the origins and development of sociological thought in Europe and the United States and its relation to contemporary sociological theory. The theoretical contributions of the major classical theorists up to the middle of the 20th century are covered. Prerequisites: Junior standing, SO 200 for Sociology majors, all other students SO 101

SO 371 Contemporary Social Thought 3 CR
This seminar follows SO 370 and is designed to introduce the main currents of contemporary sociological thought such as structuralism, post-structuralism, critical theory and post-modernism. Prerequisite: C or better in SO 370

SO 380 Methods of Social Research I 3 CR
Covers field research, surveys, conceptualization, measurement, sampling, theory, hypotheses and data collection. Students assess published research, design and collect data for a survey. Continued in SO 381. Prerequisites: CS 100, Junior standing, SO 200 for Sociology majors (all other students SO 101)

SO 381 Methods of Social Research II 3 CR
Builds on SO 380. Analysis of available statistical data, experiments, evaluation research, content analysis and fundamental quantitative analysis are covered. Computer analysis (SPSS) and preparation of research reports are part of this course. Prerequisite: SO 380

SO 398 Senior Seminar in Sociology 3 CR
The capstone course in the Sociology major. Students write and defend a sociological thesis under the guidance of a faculty mentor. Prerequisites: SO 371 and SO 381. Senior standing and major in Sociology

SO 399 Independent Study in Sociology 3 CR
Designed for students interested in advanced study or in pursuing areas within Sociology for which no course is offered. By special arrangement. Prerequisite: Permission of Sociology faculty
College of Business
COLLEGE OF BUSINESS

Steven M. Brown, Ed.D., Interim Dean and Professor of Adult Education and Management

The College of Business contributes to the University's mission and strategic plan by providing undergraduate and graduate quality education that prepares its students to assume increasingly responsible positions and leadership roles in today's complex and diverse business environments. An emphasis on theoretical knowledge reinforced with practical application is stressed in four areas: international business, technological innovations, communication skills, and ethical decision making. The college fosters active learning by its students both during their formal course of studies and through life.

An innovative faculty that excels in teaching and engages in intellectual contribution, emphasizing pedagogical development and applied research, supports the college in fulfilling its mission. In addition, the faculty contributes to the Catholic intellectual tradition of the University as it pertains to the preparation of leaders and managers in business.

Recognizing the opportunities presented by its proximity to numerous Fortune 500 corporations, smaller businesses and entrepreneurial ventures, the college is committed to building partnerships with them and to including them in its planning and decision making.

The college is dedicated to nourishing a culture and a learning environment that strives for continuous improvement.

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The college currently holds candidacy status from the AACSB, the international association for management education.

**Accounting**

The effective use of financial information is vital for decision makers in business, industry, banking, government, education, law and many related fields. Individuals with a strong background in accounting and finance are in great demand for positions such as financial analysts, estate planners, investment counselors, market researchers, auditors, comptrollers and business managers.

The Accounting program is designed to meet both the short- and long-term needs of students who enter the accounting profession. The program meets the needs of students who plan to start a career after graduation or who plan to continue their education on the graduate level.

**Faculty**

Benoit N. Boyer, Ph.D., Professor
Karen T. Cascini, Ph.D., C.P.A., Professor
Nancy Johnson, C.P.A., Instructor
Danny A. Pannese, M.S., C.P.A., Associate Professor
Daniel Shim, Ph.D., Associate Professor

**Major in Accounting**

The major in Accounting requires the completion of 48 major credits plus 9 credits in required supporting courses. Accounting students are advised to take MA 109 and MA 110 as part of their required Baccalaureate core, since they are prerequisites for certain accounting courses.

**Required Courses**

AC 101 Financial Accounting and Reporting
AC 105 Managerial Accounting and Control
AC 201 Intermediate Accounting I
AC 202 Intermediate Accounting II
AC 301 Advanced Accounting I
AC 313 Cost Management
AC 321 Auditing I
AC 385 Federal Taxes I
BU 231 Business Law I
BU 232 Business Law II
EC 202 Principles of Microeconomics
FN 314 Financial Analysis
MK 261 Principles of Marketing

Another Business or Accounting Elective

Two of the following four courses:

AC 302 Advanced Accounting II
AC 314 Advanced Management Accounting
AC 322 Auditing II
AC 384 Federal Taxes II

**Required Supporting Courses**

CS 100 Introduction to Information Technology
EC 201 Principles of Macroeconomics
MA 133 Business Statistics

**Recommended Electives**

Additional Business courses

**Associate in Arts General Studies**

**Emphasis Requirements** (15 credits)

AC 101 Financial Accounting and Reporting
AC 105 Managerial Accounting and Control
AC 201 Intermediate Accounting I
AC 202 Intermediate Accounting II
One Accounting elective at the 300 level

**Academic Requirements for AICPA Examination**

Applicants who take the examination for the first time after January 1, 2000, shall have completed a total of 150 semester hours of college education, including a Baccalaureate degree at a college or university accredited by a regional accrediting commission subscribing to established national policies and procedures or of equivalent accreditation as determined by the board. Such applicants shall have received credit for at least 36 semester hours in accounting education, which may include the basic or introductory accounting course; at least 30 semester hours in economics and busi-
ness administration education other than accounting; and at least 60 hours in general education.

Course Descriptions

**AC 101 Financial Accounting and Reporting** 3 CR
Emphasis on the information that the language of business provides for decision makers. This is accomplished by using a transactions-analysis approach. Individual and team-based problems and cases are used to stress accounting fundamentals as well as the global and ethical issues of accounting decisions.

**AC 105 Managerial Accounting and Control** 3 CR
Covers the role of managerial accounting in corporate management. Emphasis is on the introduction of product and service costing, profit planning, cost analysis and the cost allocation process. Current financial accounting and control matters are reviewed and evaluated. Individual and team-based problems and cases are used to explore global ethical issues.

**AC 201 Intermediate Accounting I** 3 CR
Further discusses accounting concepts, principles and practices, placing more emphasis on the theoretical aspects involved. While intended for the Accounting major, this is also a most useful course for other majors in the College of Business. Prerequisite: AC 101

**AC 202 Intermediate Accounting II** 3 CR
Covers specialized topics in accounting, including leases, pensions and accounting for income taxes. Emphasis is on the most recent pronouncements of the Financial Accounting Standards Board. Prerequisite: AC 101

**AC 299 Special Topics in Accounting** 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and current prerequisites.

**AC 301 Advanced Accounting I** 3 CR
Examines financial accounting and reporting topics such as business combinations and consolidated financial statements. These topics are analyzed from the perspective of ongoing developments in business mergers and acquisitions and their ethical implications. Prerequisites: AC 201 and Senior standing

**AC 302 Advanced Accounting II** 3 CR
Covers topics such as accounting for partnership, bankruptcies, not-for-profit enterprises and foreign currency transactions. This course includes elements acknowledging its status as a capstone course within the accounting program. These include an extensive overview of accounting ethics, analyses of recent ethical problems in accounting and business and a focus on global issues. Prerequisites: AC 201 and Senior standing

**AC 313 Cost Management** 3 CR
Explores critical issues facing accounting and financial managers in the current business environment. Topics include: introduction to state-of-the-art managerial accounting practices, in-depth understanding of cost management, product and service costing methods, performance evaluation and managerial compensation systems. Global and ethical issues are examined. Written assignments, case studies and team discussions comprise much of classroom interaction. Prerequisite: AC 105.

**AC 314 Advanced Management Accounting** 3 CR
Introduces modern theory of management accounting and control and strategic cost management. Financial and managerial controls issues faced by multinational corporations are examined.
Topics include: cost analysis, activity-based accounting and management, strategic cost control, agency theory, decentralization issues and incentive and compensation systems. Case studies and development, team discussions and empirical study comprise much of classroom interaction. 

Prerequisite: AC 105

AC 321 Auditing I 3 CR
Studies audit practices used by independent public accountants in examining accounting records and statements. Emphasis is on "generally accepted auditing standards" of evaluation of internal control as well as ethical issues. 

Prerequisite: AC 101

AC 322 Auditing II 3 CR
Continues AC 321 emphasizing completion of the audit engagement. Includes preparation of various reports, other services offered by CPAs, legal liability, ethical and professional responsibilities.

Prerequisite: AC 101

AC 383 Federal Taxes I 3 CR
Introduces individual income taxation. Topics include: formulation of tax statutes, research methodology, tax planning, analysis of taxable income as well as ethical considerations. 

Prerequisites: AC 101 and Senior standing or permission of the instructor

AC 384 Federal Taxes II 3 CR
Examines federal corporate, partnership, estate and trust taxation. IRS practices and procedures are examined, as well as international and ethical considerations. 

Prerequisites: AC 101 and Senior standing or permission of the instructor

**Associate of Science: Banking**

In conjunction with the American Institute of Banking (AIB), Sacred Heart University offers a two-year Associate of Science degree in Banking for banking personnel, which combines banking courses with the study of the liberal arts. Up to 10 courses may be taken from AIB equivalent courses.

The Associate of Science in Banking requires the completion of 60 credits, with at least 30 credits taken at Sacred Heart University.

Courses listed below in parentheses are equivalent courses offered by the AIB.

**Required Courses**

AC 101 Financial Accounting and Reporting (AIB 1000 Accounting I)
BU 201 Organization Management (AIB 4140 Management)
EC 201 Principles of Macroeconomics (AIB 2310 Economics)
EC 202 Principles of Microeconomics
Six liberal arts electives

**Additional Required Courses**

Taken at the University or Through AIB

BU 231 Business Law I (AIB 3660 Law and Banking)
CA 021 Effective Communication (AIB: Effective Speaking)
EN 011 Introduction to Rhetoric (AIB: Effective English)
EN 012 Rhetoric: The Research Paper (AIB: Bank Letters and Reports)
Five three-credit, bank-oriented courses must be taken through the AIB.

Sacred Heart University accepts credits from the AIB program toward the Associate's degree programs in Accounting, Banking and Business Administration and toward the Baccalaureate degree programs in Accounting, Business Administration and Finance. The maximum number of credits that can be applied toward the Baccalaureate degree in the College of Business is 30.

Courses listed below in parentheses are equivalent courses offered by the University.

AIB 1000 Financial Accounting and Reporting
AIB 1350 Money and Banking (EC 302 Money and Finance Institutions)
AIB 1370 Principles of Banking (EC 302 Money and Finance Institutions)
AIB 2090 Data Processing (Elective)
SACRED HEART UNIVERSITY UNDERGRADUATE CATALOG

AIB 2310 Economics (EC 201 Principles of Macroeconomics)
AIB 3660 Law and Banking (BU 231 Business Law I)
AIB 3670 Law and Banking: Applications (BU 231 Business Law I)
AIB 4140 Management (BU 201 Organization Management)
AIB 4310 Supervision (HR 207 Management of Human Resources)
AIB 6204 Deposit Operations (Elective)
AIB 6350 Commercial Lending (EC 302 Money and Financial Institutions)
AIB 6535 Financial Planning (FN 299 Special Topics in Finance)
AIB 6610 Bank Cards (Elective)
AIB 6920 Analyzing Financial Statements (FN 314 Financial Analysis)
AIB 7110 International Banking (FN 316 International Financial Management)
AIB 7740 Marketing (MK 261 Principles of Marketing)
AIB 8325 Trust Operations (Elective)

For an evaluation of credits and additional information about the Banking program, contact University College, 203-371-7830.

Business Administration

The curriculum in Business Administration provides a solid foundation in both quantitative techniques and management theory. Taking the behavioral science/human relations point of view, the program recognizes that sound practice requires sound theory. The case method is often used to illustrate theory in practice. Ethics and a global business orientation are emphasized throughout the curriculum.

Faculty
Kofi Afriyie, Ph. D., Assistant Professor
Lisa Bartone, J.D., Assistant Professor
Shawn Blau, Ph. D., Assistant Professor
Raghunath Shashi V. Date, Ph.D., Professor
Rawlin A. Fairbaugh, Ed.D., Associate Professor
Nancy S. Frydman, Ed.D., Associate Professor
Edward W. Gore, D.P.S., Assistant Professor
Andra Gumbus, Ed. D., Assistant Professor
"John" Jin Im, Ph. D., Professor
Peter A. Maresco, Ph. D., Assistant Professor
Robert Marsh, Ph. D., Assistant Professor
Thomas D. Queisser, Ph.D., Associate Professor
James P. Santomier, Ph.D., Professor
Robert Saylor, M.B.A., Executive in Residence Luxembourg
Mary G. Trefry, Ph.D. Assistant Professor
Laurence M. Weinstein, Ed.D., Professor
Jillian L. M. Woodilla, Ph. D., Assistant Professor
Michael Zhang, Ph. D., Assistant Professor

Major in Business Administration

The major in Business Administration requires the completion of 48 major credits plus 9 credits in required supporting courses. MA 109 and MA 110 should be taken as part of the required Baccalaureate core, since these courses are prerequisites for certain major courses. Five concentrations are offered in the Business Administration major: International Business, Management, Management of Information Systems, Marketing and Sports Management.

Required Courses for Concentrations in International Business, Management, Management of Information Systems, Marketing and Sports Management
AC 101 Financial Accounting and Reporting
AC 105 Managerial Accounting and Control
BU 103 Business: Its Nature and Environment
BU 201 Organization Management
BU 202 Organizational Behavior
BU/CA 221 Business Communications
BU 231 Business Law I
BU/IB 278 Principles of International Business
BU 301 Business Policy
EC 202 Principles of Microeconomics
FN 215 Financial Management
MK 261 Principles of Marketing
PD 275 Principles of Production and Inventory Control

Additional Required Courses for International Business Concentration
Three international business (IB) electives

Additional Required Courses for Management Concentration
BU 257 Business Ethics
EC 302 Money and Financial Institutions
One Finance elective

Additional Required Courses for Management Information Systems Concentration
BU 272 Dynamics of Information Technology
Two Management Information Systems electives from the following courses (one of the two may be a CS elective listed below):
BU 273 Systems Analysis and Design
BU 374 Database Management
BU 375 E-Commerce
BU 377 Telecommunications and Networks
One elective in CS/IT:
CS 101 Web Design and Visual Tools
CS 102 Multimedia for Non-Majors
CS 311 Database Design
CS 338 Systems Analysis and Design
CS 339 Networking and Data Communication

Additional Required Courses for Sports Management Concentration
Three Sports Management electives from the following courses:
SM 206 Sport Enterprise Management
SM 210 Sport Enterprise: Human Resource Management
SM 222 Sport Communications
SM 235 Sport Law
SM 265 Sport Marketing
HI 129 History of Sports in America

Additional Required Courses for Marketing Concentration
Three marketing electives

Required Supporting Courses for All Business Administration Concentrations
CS 100 Introduction to Information Technology
EC 201 Principles of Macroeconomics
MA 133 Business Statistics
Minor in Business Administration
The minor in Business Administration requires the completion of 24 credits, plus the required supporting course EC 201.

Required Courses
AC 101 Financial Accounting and Reporting
AC 105 Managerial Accounting and Control
BU 103 Business: Its Nature and Environment
BU 201 Organization Management
BU 202 Organizational Behavior
BU 231 Business Law I
EC 202 Principles of Microeconomics
MK 261 Principles of Marketing

Required Supporting Course
EC 201 Principles of Microeconomics

Minor in Sports Management
The minor in Sports Management requires the completion of 18 credits.

Additional Required Courses
SM 206 Sport Enterprise Management
SM 122 Sport Communications
SM 235 Sports Law
Two electives from the following courses:
SM 210 Sport Enterprise: Human Resource Management
SM 265 Sport Marketing
PS 122 Sports Psychology
SO 122 Sociology of Sports
Associate in Arts General Studies
Emphasis Requirements
Business (18 credits)

AC 101 Financial Accounting and Reporting
BU 103 Business: Its Nature and Environment
BU 201 Organization Management
BU 202 Organizational Behavior
EC 101 Introduction to Economics
or
EC 201 Principles of Macroeconomics
or
EC 202 Principles of Microeconomics
One Business elective

Business
Course Descriptions
BU 103 Business: Its Nature and Environment 3 CR
Provides an overview of all the activities of business today. The management point of view is emphasized, but the rights of the individual as employee, citizen and consumer also are discussed. May be waived for students who provide substantiation of acceptable practical business experience.

BU/HI 128 History of American Business Enterprise 3 CR
Examines the growth and development of business in America from early Colonial times to present. Topics include: role of the entrepreneur, business specialization, rise of the corporate form and of “big” business, innovations in management marketing, interplay of business enterprise and other aspects of American society. Qualifies for Area B-1 history credit.

BU 201 Organization Management 3 CR
An interdisciplinary study of the management of organizations and decision making utilizing behavioral and quantitative approaches. Topics include: decision making, motivation and behavior, group behavior, organizational change, planning, control and allocation of resources. Lecture and case study format.

BU 202 Organizational Behavior 3 CR
Organizational behavior is about people and how they act and interact, mostly as members of groups. Current theories of organizational behavior are examined through the use of self-administered tests, experiential exercises, discussion and case analysis.

BU/IB 203 Intercultural Management 3 CR
Organizations, both profit and not-for-profit, deal with people of different cultures. Therefore, cultural sensitivity and awareness of different perceptions, values and traditions are important management skills. Within the same nation, there are people with different cultural backgrounds, and culture changes not only from country to country, but even from region to region. Students come to understand these differences and to learn not to rely on self-referential criteria.

BU/CA 221 Business Communications 3 CR
Presents instruction in written, oral, interpersonal and group communication skills as they apply to business situations. Elements of the course include oral presentations, written assignments, a research paper and career components such as resume preparation, goal setting and the interview process. Prerequisites: C or better in EN 011, EN 012 and CA 021.

BU 231-232 Business Law I, II 3 CR each
A general survey of law, including the legal system, courts and court procedures, the law of contracts, torts, agency, principle law, partnership, corporations, commercial law and property law.

BU/IB 233 International Business Law 3 CR
A general survey of international law including treaties and international organizations. Topics include: the European community, North
American Free Trade Agreement, international contracts and international payment mechanisms. Prerequisite: BU 231

BU 257 Business Ethics 3 CR
Investigates the philosophical questions that arise in normal business situations. The case-study method is used to examine such questions as nepotism, competition, marketing, career advancement and product research. Consideration is given to the question of whether a special ethic should apply to business situations.

BU 272 Dynamics of Information Technology 3 CR
Presents information systems concepts from a managerial perspective to understand how information systems work and how they are used for business purposes. This course is designed to help students understand and use fundamental information systems principles so that they will efficiently and effectively function as future business employees and managers. Topics include: hardware and software of computers, telecommunication and networks (including the Internet), database management, e-commerce, systems development and systems security. Prerequisite: CS 100

BU 273 Systems Analysis and Design
Developing information systems is a challenge in view of the rapidly changing business environment. Systems analysis is a logical stage to evaluate feasibility of a new system, to analyze requirements, and to specify details of a new information system; and systems design is a physical stage to develop an information system based on the analysis. Topics include requirement analysis, process modeling with data flow diagrams, rapid application development (RAD), designing inputs, outputs, database, and interface. Prerequisite: BU 272

BU/IB 278 Principles of International Business 3 CR
Surveys the scope of international business with special emphasis on the business environment. Discusses concepts and constraints associated with developing intercultural managerial effectiveness, recent patterns of world trade, trade theory, government influence, foreign exchange rates, international payments, financial markets and the global enterprises.

BU 299 Special Topics in Business 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Consult the current course schedule for available topics and current prerequisites.

BU 301 Business Policy 3 CR
Explores the formulation and administration of policy, integration of the various specialties of business and development of an overall management viewpoint. Prerequisite: Senior standing

BU/IB 302 Ethics and International Business Policy 3 CR
Focuses on the formulation and administration of international business policy and integration of the various business functions in an international context. Explores ethical issues in international business and worldwide corporate strategies. Topics include: bribery, cultural practices, ruling families and cross-cultural organizations. Prerequisite: Senior standing

BU 373 Entrepreneurship: Starting Your Own Business 3 CR
Most individuals sometimes feel the urge to quit their job and start a business of their own. However, being a well-qualified tradesperson, a skilled artisan or an expert professional does not necessarily equip one to be "his or her own boss." This course gives the information needed for managing an enterprise skillfully and profitably.
BU 374 Database Management 3 CR
Focuses on database concepts and technology for database design, development and applications. A Database Management System (DBMS) will be used to emphasize features of a database system. Topics include: data modeling, relational and object-oriented databases, structured query language (SQL), data warehousing and mining technology. Prerequisite: BU 272

BU 375 E-Commerce 3 CR
Students learn both theory and practice of doing business over the Internet and the World Wide Web. Topics include: infrastructure for electronic commerce (EC), tools for EC, EC planning and implementation, and various issues regarding security, privacy ethics and taxes. Prerequisite: BU 272

BU 377 Telecommunications and Networks 3 CR
Focuses on concepts, technology and applications of telecommunications and computer networks, including the Internet. Students will learn fundamentals and applications of data communication networks in use in the business world. Topics include: data communications media and equipment, data transmission, local area networks, wide area networks and the Internet. Prerequisite: BU 272

BU 399 Independent Study 1–3 CR
Students work on a special topic under the direction of an instructor. Permission of the instructor and department chairperson is granted to qualified Business majors on the basis of a written proposal from the student.

**Human Resources Course Descriptions**

HR 207 Management of Human Resources 3 CR
Explores the basic personnel processes involved in the procurement, development and maintenance of the organizational human resources, selection, training, motivation, remuneration and relations with unions.

SM/HR 210 Sport Enterprise: Human Resource Management 3 CR
Examines principles and processes of managing human resources in the sport enterprise. Emphasis is on procurement, development and maintenance of human resources. The focus is on quality assurance, job design, leadership, individual differences and motivation, governance, labor relations and performance appraisal. Students develop a model of human resource management for the sport enterprise and examine related current issues and contemporary problems.

HR/LW 236 Employer/Employee Law 3 CR
Provides understanding of legal aspects that pertain to employment of personnel/human resources. Includes an introduction to legislation and the regulatory process, equal employment opportunity, Working Persons' Compensation, job health and safety. Emphasis is on compensation and benefit plans. Instruction is through case study and analysis of employment documents.

HR 299 Special Topics in Human Resources 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Course capitalizes on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the current course schedule for available topics and current prerequisites.

HR 310 Seminar in Human Resources Management 3 CR
Permits advanced students to deal individually or in small groups with guided, self-study projects suited to their personal needs and interests.
Research into recent developments, innovations and issues in personnel administration. Prerequisite: HR 207 or permission of instructor

**Marketing Course Descriptions**

**MK 261 Principles of Marketing 3 CR**
Investigates the components of the marketing mix. A managerial approach is employed and case studies supplement each area of exploration. Topics include: customer behavior, product policy, channels of distribution, advertising and promotion, price policy, marketing programs and the legal aspects of marketing.

**MK 262 Principles of Advertising 3 CR**
Analyzes advertising from the managerial viewpoint of its relationship within the marketing mix. Examines social and economic aspects of advertising, practices and issues, analysis of media, the communications function, creative aspects including art and copy and measures of effectiveness. Prerequisite: MK 261

**MK 263 Principles of Retailing and Merchandising 3 CR**
Studies history and development of the retail function and its relationship to the wholesaler and manufacturer. Topics include: store management, the buying function, elements of style and fashion, pricing policies, customer relations, store location and sources of supply. Examines retail mathematics including markup, markdown and turnover. Prerequisite: MK 261

**MK/IB 264 International Marketing 3 CR**
Provides a broad-based understanding of the challenges, opportunities and problems associated with international marketing. Emphasis is on understanding other cultures and current events and how they affect international marketing. Classroom work is supplemented with case studies, current readings, videos and speakers who are active in the field. Prerequisite: MK 261

**MK 286 Consumer Motivation 3 CR**
Explores various fields of knowledge necessary to understand marketing behavior. Materials from psychology, sociology, cultural anthropology and history are used in conjunction with marketing problems. Examines consumers in terms of both individual and group buying behavior patterns; his or her process of arriving at buying decisions is appraised at both the retail and nonretail levels. Prerequisite: MK 261

**MK/LW 296 Marketing/Consumer Law 3 CR**
Reviews marketing and consumer law. Discussion of contract law and the law of sales (Article 2 of the Uniform Commercial Code). Topics include: sales practices, product liability, pricing, consumer credit, patents, copyrights and trademarks.

**MK 299 Special Topics in Marketing 3 CR**
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Prerequisite: MK 261 or permission of instructor.

**MK 361 Marketing Management 3 CR**
Studies the effective management of the marketing mix. The case approach assists in viewing the marketing manager’s efforts as coordinated with the contributions of the firm’s segments. Provides understanding of marketing decision making as being wholly related to the firm’s goal, with a view to the larger context of society itself. Prerequisite: MK 261

**MK 362 Marketing Research 3 CR**
Explores principal areas and methods of marketing research including mail, diary, panel, phone and the personal interview. Various types of research are analyzed with emphasis on the information gathering function of research as a means to more effective business decision making. Prerequisite: MK 261
MK 399 Independent Study 1-3 CR
Directed study of a specific, well-defined topic. Permission of the instructor and departmental chairperson is granted to qualified Business majors on the basis of a written proposal from the student. Prerequisite: MK 261

Production Course Description
PD 275 Principles of Production and Inventory Control 3 CR
Familiarizes the student with the problems encountered by operating managements of business enterprises and methods used to analyze and solve these problems. Topics include: quality management, inventory management, productivity, production planning and project management.

Economics
(Not a Business Degree)
The study of economics gives students a solid understanding of today's business environment and market structure including a global perspective. It provides a historical, social and political perspective on business operations. Economics students develop important analytical, quantitative and critical thinking skills indispensable for succeeding in today's job market environment. Economics offers students an excellent preparation for either entering the business world upon graduation or for pursuing many different graduate and professional studies in such fields as business, public policy and law. The Economics degree requires completion of 33 credits which makes it relatively time efficient. The Sacred Heart Economics degree is broadly prescribed and flexible and can be oriented toward a business as well as non-business career.

Faculty
Thomas D. Corrigan, Ph.D., Associate Professor
Ramzi N. Frangul, Ph.D., Associate Professor
Bridget Lyons, D.P.S., Assistant Professor
Lucjan T. Orlowski, Ph.D., Professor

Major in Economics
The major in Economics requires the completion of 33 major credits plus 12 credits in sociology, psychology, political science and philosophy (ethics). No more than 6 credits may be taken in any one of the related fields. The Economics student is advised to take MA 109 and MA 110 as part of the required Baccalaureate core, since these are prerequisites for certain economics courses.

Required Courses
EC 201 Principles of Macroeconomics
EC 202 Principles of Microeconomics
EC 221 Intermediate Microeconomic Analysis or
EC 313 Managerial Economics
EC 301 Intermediate Macroeconomic Analysis or
EC 302 Money and Financial Institutions
EC 341 History of Economic Thought
EC 391 Quantitative Methods in Economics
MA 133 Business Statistics
Four Economics electives

Minor in Economics
The minor in Economics requires the completion of 18 credits.

Required Courses
EC 201 Principles of Macroeconomics
EC 202 Principles of Microeconomics
Four Economics electives at the 200 level or higher

Associate in Arts General Studies
Emphasis Requirement (15 credits)
EC 201 Principles of Macroeconomics
EC 202 Principles of Microeconomics
Three Economic electives

Course Descriptions
EC 101 Introduction to Economics 3 CR
Introductory course for the non-Business major. Provides a foundation in the workings of the econ-
EC 201 Principles of Macroeconomics 3 CR
An introduction to basic macroeconomics principles. Topics include: consumption, saving, investment, income and employment, business fluctuations, money and banking, fiscal and monetary policies. Prerequisite: MA 109

EC 202 Principles of Microeconomics 3 CR
An introduction to basic microeconomics principles. Topics include: supply and demand, cost, profit, wages, market imperfections and antitrust. Other topics include poverty and discrimination, environment and energy. Prerequisite: MA 109

EC 221 Intermediate Microeconomic Analysis 3 CR
Analyzes consumers’ and firms’ decisions and their roles in the determination of prices and output of goods, the allocation of resources and the distribution of income. Topics include: theory of demand, pricing models, production theory, cost analysis, market structure, factor markets and externalities. Prerequisite: EC 202

EC 299 Special Topics in Economics 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and current prerequisites.

EC 301 Intermediate Macroeconomic Analysis 3 CR
A course in aggregate economic analysis. Examines theories of the determination of national income and employment. Policies associated with these theories are critically examined. Prerequisite: EC 201

EC 302 Money and Financial Institutions 3 CR
Studies of the operations of commercial banks and other financial institutions. Examines the significance of money, credit and interest rates. Analyzes the impact of monetary and fiscal policies on the economy. Prerequisites: EC 201 and EC 202

EC 313 Managerial Economics 3 CR
Analyzes the structure of industry, business firms and the application of analytical tools of economics to decision making. Topics include: the determination of relevant costs for decisions within the business firm, pricing and capital budgeting problems, forecasting business conditions, risk and uncertainty, union policies and cases involving actual managerial situations that require the use of economic analysis. Prerequisites: MA 133 and EC 202

EC 322 International Economics 3 CR
Examines international trade theory and policy, balance of payment mechanisms and international monetary systems. Emphasis is on current problems of trade restrictions and tariffs, gold and international flow of funds and the role of international reserves. Prerequisites: EC 201 and EC 202

EC 324 Economic Stabilization and Reform in Central Europe 3 CR
The collapse of communism in Central and Eastern Europe has created immense challenges for these former Soviet bloc nations. It has also required Western nations to develop new ideas and strategies for dealing with their former enemies. This course examines the forces behind the breakup of the Soviet bloc, the often rocky path toward free markets in Central and Eastern Europe, and the future prospects for this rapidly changing part of the world.
EC 341 History of Economic Thought 3 CR
Traces the development of economic theory and the major contributions of the various schools of economic thought from Adam Smith through contemporary theory. Prerequisite: EC 201

EC 342 European Economic Integration 3 CR
Examines the process underlying economic and political integration of the European Union from the Treaty of Rome to present. Special emphasis is on the European Monetary Union and formation of the Euro. Preparations for eastern enlargement of the EU are thoroughly examined.

EC 390 Current Issues in Economics 3 CR
Examines major contemporary economic issues. Demonstrates how economists deal with the difficult problems of the day. Open to both prospective majors and non-majors. Prerequisites: EC 201 and EC 202

EC/FN 391 Quantitative Methods in Economics and Finance 3 CR
Aimed at developing advanced quantitative skills needed for modern economic and financial analyses. Time-series multivariate regression is extensively examined as well as cointegration tests, ARMA and ARIMA procedures, causality tests and recursive stability tests. Computer applications are examined in depth. Prerequisite: MA 133 or equivalent

Major in Finance
The major in Finance requires the completion of 48 major credits plus 9 credits in required supporting courses. Students are advised to take MA 109 and MA 110 as part of the required Baccalaureate core, since these are prerequisites for certain Finance courses.

Required Courses
AC 101 Financial Accounting and Reporting
AC 105 Managerial Accounting and Control
BU 201 Organization Management
BU 202 Organizational Behavior
BU/CA 221 Business Communications
BU 231 Business Law I
BU 257 Business Ethics
BU 301 Business Policy
EC 202 Principles of Microeconomics
EC 302 Money and Financial Institutions
FN 215 Financial Management
FN 251 Corporate Finance
FN 315 Investments
FN 316 International Financial Management
MK 261 Principles of Marketing
And one of the following:
FN 242 Mutual Funds: Operation and Structure
FN 243 Sport Finance
FN 314 Financial Analysis
FN 318 Current Problems in Finance
FN 390 Finance Internship
FN 391 Quantitative Methods in Economics and Finance

Additional Required Supporting Courses
CS 100 Introduction to Information Technology
EC 201 Principles of Macroeconomics
MA 133 Business Statistics

Course Descriptions

FN 215 Financial Management 3 CR
An introduction to the field of finance. Emphasis on financial statements and ratio analysis, working capital management, capital budgeting, and cost of capital and basic portfolio theory. Prerequisite: AC 101

FN 242 Mutual Funds: Operation and Structure 3 CR
Provides a thorough analysis of the mutual fund industry by examining the structure and operation of mutual funds. Topics include: history of mutual funds, types of mutual funds, regulation of mutual funds, portfolio management and equity trading, mutual fund marketing and servicing shareholders. The principle teaching technique is lecture accompanied by class discussions, exercises and case studies.

FN/SM 243 Sport Finance 3 CR
Examines the application of financial methods and procedures for the sport enterprise. Focus is on understanding the development and management of enterprise budgets and financial strategies, including debt service, ticket and concession sales, corporate sponsorship, and licensed sport merchandise. Examines financial challenges related to current and future sources of revenue for the sport enterprise. Prerequisite: FN 215

FN 251 Corporate Finance 3 CR
Emphasizes corporate long-term financial policies. Covers valuation of corporate securities, capital structure, dividend policy, analysis of overall cost of capital of the firm, mergers and acquisitions. Prerequisite: FN 215

FN 314 Financial Analysis 3 CR
Develops students' ability to analyze financial statements to determine both asset value and earning capacity of the public corporation's securities.

FN 315 Investments 3 CR
Introduces different types of securities investments available to institutional and private investors. Students learn to evaluate individual securities by applying risk analysis, as well as fundamental and technical research. Topics include: common and preferred stock investments, bond investments, commodities and financial futures, mutual funds, real estate and pension funds. Prerequisite: FN 215

FN/IB 316 International Financial Management 3 CR
Studies the applications of principles of financial management to the decisions of corporations with international operations. Topics include: sources and uses of funds in multinational operations, impact of different exchange rates, taxation systems and inflation rates on financial decisions, project evaluation and interaction among various national financial markets. Prerequisites: FN 215 and EC 202

FN 318 Current Problems in Finance 3 CR
Seminar on special current topics in finance. Open to seniors majoring in Finance and to Seniors majoring in Economics, Business and Accounting with permission of the Finance department. Prerequisite: FN 215 or departmental permission

FN/EC 391 Quantitative Methods in Economics and Finance 3 CR
Aimed at developing advanced quantitative skills needed for modern economic and financial analyses. Time-series multivariate regression is exten-
sively examined as well as cointegration tests, ARMA and ARIMA procedures, causality tests and recursive stability tests. Computer applications are examined in depth. Prerequisite: MA 133 or equivalent

**International Business**

International business is the compilation of all business transactions that are carried out across national borders, ranging from export-import trade to licensing, joint ventures, foreign direct investment and others. The international manager is subject to new macroenvironmental factors, constraints and conflicts resulting from different laws, cultures and societies. The basic principles of business still apply, but new and different skills are required to be an effective manager.

The increasing number and growing complexity of modern organizations has resulted in a greater need for college graduates with formal training in management. Problem solving today takes place in a complex technical, social and political environment. Emphasis is placed on the global nature of today's business environment, multicultural management and ethical values.

**Faculty**

Kofi Afiyie, Ph.D., Assistant Professor
Benoit Boyer, Ph.D., Professor
Karen T. Cascini, Ph.D., Professor
Thomas D. Corrigan, Ph.D., Associate Professor
Edward W. Gore, D.P.S., Assistant Professor
Michael D. Larobina, J.D., L.L.M., Assistant Professor
Lucjan T. Orlowski, Ph.D., Professor
Mary G. Trefry, Ph.D., Assistant Professor
Michael Zhang, Ph.D., Assistant Professor

**Major in International Business**

The International Business major requires 48 credits plus 12 credits in required supporting courses and all other BA requirements including a foreign language.

**Required Courses**

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<th>Course Code</th>
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<tr>
<td>AC 101</td>
<td>Financial Accounting and Reporting</td>
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<td>BU/CA 221</td>
<td>Business Communications</td>
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<td>BU 231</td>
<td>Business Law I</td>
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<td>EC 202</td>
<td>Principles of Microeconomics</td>
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<td>FN 215</td>
<td>Financial Management</td>
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<td>FN 316</td>
<td>International Financial Management</td>
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<td>IB/BU 203</td>
<td>Intercultural Management</td>
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<td>IB/BU 233</td>
<td>International Business Law</td>
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<td>IB/MK 264</td>
<td>International Marketing</td>
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<td>IB/BU 278</td>
<td>Principles of International Business</td>
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<td>IB/BU 302</td>
<td>Ethics and International Business Policy</td>
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<td>MK 261</td>
<td>Principles of Marketing</td>
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<td>PD 275</td>
<td>Principles of Production and Inventory Control</td>
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**Required Supporting Courses**

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<th>Course Code</th>
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<tr>
<td>CS 100</td>
<td>Introduction to Information Technology</td>
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<tr>
<td>EC 201</td>
<td>Principles of Macroeconomics</td>
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<td>MA 110</td>
<td>Calculus for Decision Making</td>
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<td>MA 133</td>
<td>Business Statistics</td>
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**Course Descriptions**

**IB/BU 203 Intercultural Management**

Organizations, both profit and not-for-profit, deal with people of different cultures. Therefore, cultural sensitivity and awareness of different perceptions, values and traditions is an important management skill. Within the same nation, there are people with different cultural backgrounds, and culture changes not only from country to country, but from region to region. Students come to understand these differences and learn not to rely on self-referential criteria.

**IB/BU 233 International Business Law**

Surveys international law, including treaties and
international organizations. Topics include: the European community, North American Free Trade Agreement, international contracts and international payment mechanisms. Prerequisite: BU 231

IB/MK 264 International Marketing 3 CR
Provides a broad-based understanding of the challenges, opportunities and problems associated with international marketing. Emphasis is on understanding other cultures and current events and how they affect international marketing. Classroom work is supplemented with case studies, current readings, videos and speakers who are active in the field. Prerequisite: MK 261

IB/BU 278 Principles of International Business 3 CR
Surveys the scope of international business with special emphasis on the business environment. Discusses concepts and constraints associated with developing intercultural managerial effectiveness, recent patterns of world trade, trade theory, government influence, foreign exchange rates, international payments, financial markets and global enterprises.

IB 299 Special Topics in International Business 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and current prerequisites.

IB/BU 302 Ethics and International Business Policy 3 CR
Focuses on the formulation and administration of international business policy and integration of the various business functions in an international context. Explores ethical issues in international business and worldwide corporate strategies. Topics include: bribery, cultural practices, ruling families and cross-cultural organizations. Prerequisite: Senior standing

IB 391 International Business Seminar 3 CR
Special topics related to the current events of the period. Research required on the selected topic. Students give oral and written presentations. Guest speakers from the business community augment the course. Prerequisite: Senior standing

Paralegal and Legal Administration (Not a Business degree)

Faculty
Michael Larobina, J.D., Acting Director

Associate in Science Legal Assistant Program
The two-year Paralegal program leading to an Associate of Science degree requires the completion of 60 credits and has been granted approval by the American Bar Association. It is structured to provide legal training and general academic background necessary to function effectively as a paralegal. Graduates of the program work under the direction of a licensed attorney and are qualified to furnish supportive services in law offices as well as in legal departments of corporations, banks and in government at the municipal, state and federal levels.

Entrance to the program is highly selective. The director in collaboration with the Admissions Office seeks students who show evidence of high academic achievement.

This course of study also may be incorporated into a Baccalaureate degree program leading to a Bachelor of Science or a Bachelor of Arts degree in Legal Administration.

Required Courses
AC 101 Financial Accounting and Reporting
AC 105 Managerial Accounting and Control  
CA 021 Effective Communication  
CS 100 Introduction to Information Technology  
EN 011 Introduction to Rhetoric  
EN 012 Rhetoric: The Research Paper  
LW 101 Criminal Law and Torts  
LW 103 Contracts and Business Organization Law  
LW 121 Legal Research I  
LW 122 Legal Research II/Writing  
LW 161 Legal Office Procedures  
LW 201 Family Law  
LW 202 Property and Conveyancing  
LW 203 Estates, Probate and Taxation  
LW 238 Litigation and the Civil Procedures  
PS 101 General Psychology  

Four liberal arts electives

**Major in Legal Administration**

The Baccalaureate degree in Legal Administration provides students with a course of study combining business and law. This synthesis of studies prepares students to bring a managerial perspective to today's competitive legal environment. Students learn to handle a wide range of specialized responsibilities in the legal field. Upon completion of this course of study, students are prepared for a career in a law firm, corporate legal department, insurance company, governmental agency or for the pursuit of a graduate degree. The Legal Administration major requires completion of 48 major credits plus 9 credits in required supporting courses.

**Required Courses**

AC 101 Financial Accounting and Reporting  
AC 105 Managerial Accounting and Control  
BU 201 Organization Management  
BU 202 Organizational Behavior  
EC 201 Principles of Macroeconomics  
EC 202 Principles of Microeconomics  
LW 101 Criminal Law and Torts  
LW 103 Contracts and Business Organization Law  
LW 121 Legal Research I  
LW 122 Legal Research II/Writing  
LW 201 Family Law  
LW 202 Property and Conveyancing  
LW 203 Estates, Probate and Taxation  
LW 238 Litigation and the Civil Procedures

**Required Supporting Courses**

CS 100 Introduction to Information Technology  
EC 201 Principles of Macroeconomics  
MA 133 Business Statistics

**Course Descriptions**

**LW 100 Introduction to the Legal System**  
3 CR  
Provides students with an understanding of the American legal system, with an emphasis on the American judicial system and the U.S. Constitution. The course is designed for students who may be contemplating a career in law and do not have prior experience or education in this field. Issues relating to civil procedures, jurisdiction, sources of law, the purpose and application of law, federal and state court systems in the United States and careers in the law will be discussed. Corequisite: LW 121

**LW 101 Criminal Law and Torts**  
3 CR  
Surveys general principles of criminal law, defenses, court procedures and jurisdiction, torts, nature of a tort, who may be liable, extent of liability and defenses. Emphasis on the practical application of this knowledge for the paralegal. Corequisite: LW 121

**LW 103 Contracts and Business Organization Law**  
3 CR  
Covers the general principles of contract law including the elements necessary to make a valid contract such as offer, acceptance and consideration. Article 2 of the Uniform Commercial Code, how business entities are organized and the laws that govern their formation, operation and dissolution are surveyed. Principles of agency law are
also discussed.

**LW/NU 120 Introduction to Legal Nurse Consulting**  
Includes an overview of the scope and purpose of legal nurse consulting. Legal theory and ethical considerations are discussed, as well as negotiation skills and business planning. This course provides students with an understanding of the ethical considerations and standards of practice as they apply to legal nurse consultants. Issues relating to professionalism and the evolving role of the legal nurse consultant in the delivery of legal services are also examined.

**LW 121 Legal Research I**  
3 CR  
Introduction to the study of law that acquaints students with analysis and synthesis of cases and other legal materials. Methods of legal research are taught, including indexes, digests, Shepard's Citations, encyclopedias, the West key number system and computerized legal research. Students are required to submit a written abstract and legal memorandum on problems involving substantive law, procedure and legal ethics. Corequisites: LW 100 or LW 101.

**LW 122 Legal Research II/Writing**  
3 CR  
Gives the paralegal a working knowledge of the Connecticut Rules of Practice and Procedure. Emphasis is on learning to draft pleadings, motions, memoranda of law and appellate briefs. The Code of Professional Responsibility is examined through class discussion and hypothetical examples. Prerequisites: LW 100 (or LW 101) and LW 121.

**LW 161 Legal Office Procedures**  
3 CR  
Studies the work flow in a law office and the paralegal's responsibilities in handling written communications and maintaining files, preparation of court documents, law office accounting, billing and forms. The Model Code of Professional Responsibility and legal ethics are discussed. An internship is normally taken in conjunction with the class. Prerequisites: LW 201 and LW 202 or permission of director.

**LW 201 Family Law**  
3 CR  
Explores the dissolution of marriage, annulment, child custody disputes, support obligations, domestic violence and adoption. Students acquire hands-on experience in computing child support according to the Connecticut Child Support Guidelines and drafting a separation agreement and other family law pleadings. Prerequisites: LW 103 and LW 122.

**LW 202 Property and Conveyancing**  
3 CR  
Introduces the law of real and personal property, possession and its consequences, acquisition of property and transfer. Studies practical problems involving conveyances from the drafting of purchase and sale agreements to the passing of papers, mechanics of the title examination, mortgages and foreclosures. Prerequisites: LW 103 and LW 122.

**LW 203 Estates, Probate and Taxation**  
3 CR  
Studies basic concepts of estates and trust law, with emphasis on creation and administration. Definitions, consideration of problems relative to the disposition of property and the impact of federal income, inheritance, estate and gift tax are discussed. Prerequisites: LW 103 and LW 122.

**PO/LW 216 Congress and the Legislative Process**  
3 CR  
Examines Congress, its constitutional powers, historical development, internal processes, and culture as well as external influences—executive branch, interest groups, public opinion and elections.

**LW/NU 221 Health Law and Torts**  
3 CR  
Provides students with an understanding of statutory laws, administrative regulations and pertinent case law affecting and defining the health care system. The interrelationship of law and nursing...
forms the foundation of the course. Emphasis is on the areas that most directly affect paralegals and legal nurse consultants such as intentional torts, negligence, product liability, medical malpractice and drug liability. Students are given a framework for identifying and analyzing current health care issues. Students are also taught how to select effective strategies and solve ethical dilemmas that arise in the legal workplace. Prerequisites: LW 121 and LW 122

LW/NU 222 Medical and Legal Ethics 3 CR
Examines the work flow in a law office or a legal department and the legal nurse consultants/paralegals' responsibilities in handling written communications, maintaining files, preparing court documents, office law billing, communicating with clients, opposing counsel and the public in general, and managing computerized records. Additionally, the role of ethics in health care in the legal environment, along with an understanding of the rules of professional conduct and their application to the legal nurse consultant/paralegal are examined. Issues relating to confidentiality and privilege, conflict of interest, competence, client funds, fees and advertising are also addressed. Students are provided with a framework for medical ethical decision making and examine the evolving role of the legal nurse consultant/paralegal in the delivery of legal services. Prerequisites: LW 121 and LW 122

LW 234/PO 351 Constitutional Law 3 CR
Examines American constitutional law through the study of outstanding cases. Emphasis is on the development of constitutional doctrines and processes of legal reasoning.

LW/CJ 235 Law of Evidence 3 CR

LW/HR 236 Employer/Employee Law 3 CR
Examines legal aspects pertaining to employment of personnel/human resources, including an introduction to legislation and the regulatory process, equal employment opportunity, workers' compensation, job health and safety. Emphasis is on compensation and benefit plans. Instruction is through case study and analysis of preprepared employment documents.

LW 238 Litigation and Civil Procedures 3 CR
Discusses differences between civil and criminal litigation, courts and their jurisdiction, substantive law, investigation of facts, commencement of law suit and preparation of pleadings and motions. Also discovery, preservation of facts and preparation for trial, decisions and settlement, posttrial motions and appeals, techniques of legal research, file maintenance and docket control. Prerequisite: Sophomore standing

LW 240 Intellectual Property Law 3 CR
Introduces laws governing patents, copyrights and trademarks. Discusses the difference between each form of protection of these special "property" laws for the creative works of inventors, authors, musicians, and artists and for the marks used by businesses to identify their goods and services. Prerequisite: Sophomore standing

LW 242 Environmental Law 3 CR
Examines sources of environmental law as it relates to the creation, treatment storage, transport and disposal of hazardous wastes under federal and state laws. Discusses effects of environmental compliance, risk management and hazardous waste clean-up issues on the business community.

LW 244 Administrative Law 3 CR
Provides students with an understanding of administrative procedures as well as agency powers, duties and the scope and availability of judicial review. Students analyze statutes, administra-
tive regulations, formal and informal administrative procedures, administrative investigation, rule making and adjudication. The course examines the Federal Administrative Procedure Act and State Administrative Law with an emphasis on the areas of workers’ compensation, Social Security disability, Medicare, and Title XIX. Prerequisites: LW 121 and LW 122.

LW 245 Bankruptcy Law 3 CR
Provides students with a basic, but complete analysis of bankruptcy practice and procedure so as to prepare the paralegal to effectively execute duties in this field. Examines substantive rights and remedies of consumers under Connecticut’s Unfair Practice Acts as applied to credit, home improvement, insurance rights, banking, trade and employment.

LW 247 Juvenile Law 3 CR
Introduces the juvenile justice system, including families with service needs, status offenders, abuse, neglect and abandonment, foster placement, TPR and adoption. The course covers the influence of administrative agencies on families and the courts. Students acquire hands-on experience on TPRs and adoptions in the state court and probate court systems.

LW/PH 253 Philosophy of Law 3 CR
Studies the philosophical foundations of the law in terms of social, political, economic, theological and ethical considerations. Examines the nature, sources, purposes and methods of the law. Prerequisite: PH 101.

LW 299 Special Topics in Law 3 CR
Designates new or occasional courses that may or may not become part of the department’s permanent offerings. Courses capitalize on a timely topic, a faculty member’s particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student’s transcript. Consult the current course schedule for available topics and current prerequisites.

LW/PO 321 Public Administration 3 CR
Surveys organizational theories and professional skills useful to those contemplating public sector service. Addresses public service context, planning, budgeting, communication, leadership and other skills.

LW/PO 325 Politics, Law and Judicial Behavior 3 CR
Examines the judiciary’s role in the American political process. Topics include: nature of law, political influence in judicial decision making, court organization, judicial recruitment and the judiciary’s powers and limitations.

LW/PO 352 The First Amendment 3 CR
Examines U.S. Supreme Court cases involving the freedom of religion, speech, press, assembly and petition. Special attention given to the balance between personal liberty and societal order.

Sport Management
The increasing complexity of sport industries, globalization of sport, and increasing influence of media and technology underscore the importance of specific and dynamic preparation for sport management professionals in the new economy. The Sport Management curriculum emphasizes the unique management, business and legal principles and practices necessary to succeed in contemporary sport industries. It ultimately prepares professionals who are self-directed in their learning, critical thinkers and problem-solvers, interdisciplinary in their approach, and capable of effectively managing sport enterprises and marketing sport-related services and products to diverse markets.

Faculty
Shawn Blau, Ph.D., Assistant Professor
John T. Gerlach, MBA., Associate Professor
James P. Santomier, Jr., Ph.D., Professor
Joshua Stuart, Ph.D., Assistant Professor
Major in Sport Management
The Sport Management curriculum provides a theoretical and skill-based framework in core business disciplines, functional business skills and in specific sport management areas. Focus is on the financial, marketing, media, legal and ethical dimensions of sport management. The program provides students with dynamic internship opportunities. The Sport Management major requires completion of 52 major credits plus 6 credits in required supporting courses.

The Sport Management student is advised to take MA 109 and MA 110 as part of the required Baccalaureate core, since these are prerequisites for certain Sport Management courses.

Required Courses
AC 101 Financial Accounting and Reporting
AC 105 Managerial Accounting and Control
BU 201 Organization Management
BU 202 Organizational Behavior
BU 257 Business Ethics
BU 301 Business Policy
EC 202 Principles of Microeconomics
FN 215 Financial Management
MK 261 Principles of Marketing
SM 206 Sport Enterprise Management
SM/MS 222 Sport Communications
SM/BU 235 Sport Law
SM/EN 243 Sport Finance
SM/MK 265 Sport Marketing
SM/BU 290 Sport Management Practicum
SM/BU 390 Internship in Sport Management
Two of the following courses:
SM/HR 210 Human Resource Management
SM/BU 281 Sport Venue and Event Management
SM/BU 282 Computer Applications in Sport Management
SM/BU 283 Sporting Goods Industry
SM/BU 299 Special Topics in Sport Management

Required Supporting Courses
EC 201 Principles of Macroeconomics
MA 133 Business Statistics

Course Descriptions
SM 206 Sport Enterprise Management
Examines principles and foundations of sport management and how the concepts of planning, organizing, leading and directing apply to the sport enterprise. Focus is on the application of core management principles, including ethics. The course provides a basis for understanding the development and governance of sport industries and for addressing contemporary problems and issues. Students develop a model of management designed to achieve the goals of the sport organization.

SM/HR 210 Sport Enterprise: Human Resource Management
Examines principles and processes of managing human resources in the sport enterprise. Emphasis is on procurement, development and maintenance of human resources. The focus is on quality assurance, job design, leadership, individual differences and motivation, governance, labor relations and performance appraisal. Students develop a model of human resource management for the sport enterprise and examine related current issues and contemporary problems.

SM/MS 222 Sport Communications
Examines principles and fundamentals related to developing and implementing media relations programs for sport enterprises. Focus is on the development of computer and electronic communications including press releases, local features, media guides and brochures, statistical breakdowns and web pages. Issues addressed include working with local, regional and national press; crisis management; ethical concerns; and promotion of specific events, teams and individuals. Prerequisites: C or better in EN 011, EN 012, CA 021

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SM/BU 235 Sport Law 3 CR
Explores application of legal issues to the sport enterprise. Provides basic knowledge of a wide range of legal principles that relate to various dimensions of sport management. Major focus is on a review of judicial opinions in the areas of tort liability (risk management), agency and contract law, labor and employment law and antitrust issues that frequently have been addressed in cases involving sport organizations.

SM/FN 243 Sport Finance 3 CR
Examines the application of financial methods and procedures for the sport enterprise. Focus is on understanding the development and management of enterprise budgets and financial strategies, including debt service, ticket and concession sales, corporate sponsorship and licensed sport merchandise. Examines financial challenges related to current and future sources of revenue for the sport enterprise. Prerequisite: FN 215

SM/MK 265 Sport Marketing 3 CR
Analyzes how marketing, promotion and public relations principles apply to sport industries. Explores issues in marketing of the sport enterprise, sport-related programs and facilities, products and services. Focus is on the marketing of sport as a product and on the marketing of non-sport products and services using sport as a promotional tool. Addresses unique challenges and limitations as well as new trends in sport marketing.

SM/BU 281 Sport Venue and Event Management 3 CR
Examines principles and fundamentals of managing and financing sport and entertainment venues. Focuses on developing knowledge and skills necessary to develop, design and manage sports, recreation and health/fitness facilities. Emphasizes design analysis, operations and event management. Includes site visits.

SM/BU 282 Computer Applications in Sport Management 3 CR
Examines software applications for sport management, marketing, public relations, facility and event management and research. Identifies relevant Internet-based resources for sport management professionals including merchandise exports, sport travel and tourism, sport marketing and public relations, facility design, retail sales and sports information. Emphasis is on developing critical Internet-related skills, including web page design, for the sport enterprise.

SM/BU 283 Sporting Goods Industry 3 CR
Examines the history, foundations, organization, management and future of the sporting goods industry. Designed specifically for individuals interested in a career in the sporting good industry and focuses on understanding the development of core dimensions of the industry, including market structure, sporting goods manufacturers, marketing strategies and channel distribution and sporting goods e-commerce. The course emphasizes problem solving and developing critical thinking skills within the context of the sporting goods industry.

SM/BU 290 Sport Management Practicum 1 CR
Students observe and provide assistance in managing the sport enterprise. Emphasis is on understanding the unique application of management and marketing principles to sport industries.

SM 299 Special Topics in Sport Management 3 CR
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. Prerequisites established by the department as appropriate for the specific course. Course title is shown on the student's transcript. Consult the
SM/BU 390 Internship in Sport Management 3–9 CR

Students are directly involved in various dimensions of managing the sport enterprise. Emphasis is on the practical application of management and marketing principles and skills to a specific sport industry or organization. An on-site sport management professional supervises students. Prerequisites: Senior status and permission of the Sport Management internship coordinator.
College of Education and Health Professions
The College of Education and Health Professions seeks to foster the development of women and men who demonstrate intellectual and professional integrity, who value compassionate service to others and who take leading roles in communities governed by spiritual and moral values.

As a professional college within a Catholic university rooted in the liberal arts tradition, the College of Education and Health Professions is committed to providing an education built upon deep respect for the dignity of the human person, and a recognition of the responsibility of each individual to contribute to the building of a more just society. Specifically, the college strives to teach the skills necessary for developing ethical responses to new and ever changing circumstances of a future filled with discoveries, technological advancements and social change.

The college provides opportunities for students to gain knowledge, experience, skills and values necessary to begin a first career; to advance in an existing career; and to prepare for new career challenges in response to the changing needs of society.

The college's cooperation with professional partners in the community ensures that students benefit from an integration of academic, internship and clinical experiences. This collaboration also enriches the education and health care endeavors of the community and instills an ethic of community service among students.

The college is committed to professional and academic excellence, and measures this by the quality of its faculty, programs, resources and student achievements.

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<tr>
<th>Discipline</th>
<th>Certification Courses</th>
<th>Associate's Degree</th>
<th>Bachelor's Degree</th>
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<td>Geriatric Health and Wellness</td>
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<td>Human Movement and Sports Science</td>
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<td>Athletic Training</td>
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<td>Exercise Science</td>
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<td>Nursing</td>
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<td>Pre-Occupational Therapy</td>
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190 COLLEGE OF EDUCATION AND HEALTH PROFESSIONS
Minor in Geriatric Health and Wellness

The minor in Geriatric Health and Wellness is designed for students who wish to gain specialized knowledge and skills in preparation for working with older adults. Students must have Sophomore status or above. The minor is designed for students who have an interest in pursuing careers in the health care or human service fields. The minor is sequenced to help students explore issues and factors that influence health status, functional status and quality of life for older adults, in a variety of settings. The course of study models and encourages interdisciplinary care-team interaction and evidence-based practice, with a focus on health promotion and wellness for older adults. The minor also draws significantly on course work in the related social sciences and humanities for a broad perspective on the issues associated with aging. Students who complete the minor will engage in a variety of classroom learning experiences. In addition, students will engage in community-based, clinical-learning experiences that address the health promotion, health protection and rehabilitation needs of multicultural elders living in a variety of residential sites in the greater Bridgeport/Fairfield communities.

Faculty*

Michael Emery, Ed.D., P.T.
Michelle Lusardi, Ph.D., P.T.
Linda Strong, Ed.D., R.N.

*Teaching the required courses. Respective faculty of the disciplines will teach the elective courses.

Course Requirements

The student must complete two required courses, and choose at least four related elective courses across a minimum of two related disciplines as outlined below. The required courses provide foundational knowledge and skills for working with healthy, impaired and frail elders. The elective courses allow students to focus on at least two areas of interest in geriatrics or gerontology. Courses for the minor can be used to meet respective departmental and University requirements per existing policies.

Required Courses

HS 201 Health and Wellness in Later Life
HS 203 Chronic Illness and Frailty in Later Life

Electives (four courses from at least two disciplines)

NU 243 Cultural Issues in Health Care Delivery
NU 380 Community Health Nursing for RNs
NU 381 Community Health Nursing
PS 195 Health Psychology
PS 251 Life Span Development
PS 274 Adult Development
RS 260 Bioethics
RS 275 Death
SO 200 Social Issues and Social Change
SO 213 Marriage and the Family
SP 103 Spanish for the Professions

Students may use other electives to meet this requirement with review and approval by program faculty.

Course Descriptions

HS 201 Health and Wellness in Later Life 3 CR

This service learning course is designed to guide the student interested in health promotion topics for elders through an experiential learning process using contemporary literature and films, as well as real-life applications of health promotion in local health and human service organizations. The student gains both an appreciation and an understanding of the issues, service systems and resources pertinent to health promotion efforts for those in later life. Prerequisite: Sophomore standing
HS 203 Chronic Illness and Frailty in Later Life 3 CR
This service learning course is designed to introduce students interested in careers in health and human services to the various aspects of living with chronic illness or physical frailty as experienced by older adults and their families. The course includes a didactic component that focuses on the medical, functional and psychosocial issues associated with chronic illness and/or frailty, and uses research literature as well as contemporary literature and films as resources. The community-based service component of the course is an "adoptive-grandparent" friendly visiting program with older adults who are homebound, or living in assisted-living or long-term care facilities. Students also explore the formal and informal support networks that impact on quality of life for frail or chronically ill older adults. Prerequisite: Sophomore standing

Human Movement and Sports Science
The Human Movement and Sports Science (HMSS) program is based on a solid liberal arts and sciences education designed to foster development of human values, effective interpersonal skills and a scientific foundation for the major area of study. The program consists of two distinct tracks, an Athletic Training track and an Exercise Science track. The Athletic Training and Exercise Science tracks are based on strong science-oriented curriculums providing students the necessary framework to build on during their professional coursework. Both tracks consist of didactic and clinical components that provide students with a knowledge base necessary to work in the allied health professions, and an opportunity to enhance their knowledge through practical experience and application.

All Human Movement and Sports Science students must maintain a minimum grade point average (GPA) of 2.3 and receive a C or better in all prerequisite and required courses. This undergraduate program leads to a Bachelor of Science (BS) degree in the specific area of study and prepares professionals to identify and monitor functions of the body as they relate to sports, and to devise programs for participants in athletics geared toward prevention, conditioning and rehabilitation.

The Human Movement and Sports Science program requires the completion of a Certificate of Health following a physical examination by a physician. All students must show proof of vaccination, immunization and hepatitis B vaccine series or signed waiver, prior to beginning clinical experience.

Athletic Training
The Athletic Training track is designed for students interested in pursuing a career in athletic training. Students who complete the Athletic Training track will be eligible to sit for the National Athletic Trainers' Association Board of Certification (NATABOC) examination. Furthermore, students are prepared to pursue careers in athletic training or continue education in athletic training and/or other areas of allied health (i.e., physical therapy, exercise physiology, biomechanics, cardiac rehabilitation, wellness, nutrition). Students interested in pursuing a combined undergraduate degree in Human Movement and Sports Science—Athletic Training and a Masters in Physical Therapy should contact the Department of Physical Therapy and Human Movement and Sports Science for additional information.

The Athletic Training track has a separate competitive admissions process. Students interested in pursuing the Athletic Training track at Sacred Heart must apply and be accepted during the spring semester of the Freshman year or during the fall semester of the Sophomore year, prior to beginning any professional coursework. Acceptance into the Athletic Training track is based on scholarly achievement during first year coursework, overall GPA, science GPA, letters of
recommendation and a personal statement. The program is designed for 20 students; therefore, enrollment is limited.

The opportunity to participate in intercollegiate athletics while pursuing a career of study in athletic training is available. However, it is the responsibility of the student to manage the time commitment of both endeavors. Students should discuss the time commitments for participation in this major and their specific sport with their major advisor and coach.

Athletic Training students are required to meet physical and behavioral technical standards to successfully complete all program requirements. Complete written information on required technical standards can be obtained from the Human Movement and Sports Science—Athletic Training Program Director.

Program Accreditation

The Athletic Training program at Sacred Heart University is a CAAHEP accredited program. The Commission for Accreditation of Allied Health Education Programs (CAAHEP) granted accreditation status in October 2001.

Clinical Education

Clinical education provides students the opportunity to apply classroom knowledge with clinical experience. All clinical experiences, traditional and non-traditional, are under the direct supervision of certified athletic trainers. Students are exposed to a variety of clinical settings including high school, clinical and collegiate populations. Students are responsible for providing transportation to off-campus sites. In addition, the program requires students to amass a minimum number of clinical hours per semester, as outlined in the syllabi of each practicum course.

Exercise Science

The Exercise Science (EX) track is designed for those students who are seeking a broad background in exercise and fitness. It can also serve as a foundation for graduate study in physical therapy, exercise physiology, biomechanics, cardiac rehabilitation, wellness and conditioning and nutrition. The didactic and clinical components allow students the opportunity to explore general related areas of study, including exercise physiology, strength and conditioning training, exercise prescription and fitness assessment. Graduates from the EX track are prepared to pursue either employment opportunities in health and fitness settings, or graduate school in those health professions noted above. No additional application process is required for students in the EX track.

Faculty

Wendy Bjerke, M.S., Clinical Assistant Professor
Edward Davis, M.A.T., A.T.C., Clinical Instructor/Assistant Athletic Trainer
Anh-Dung Nguyen, M.S., A.T.C., Clinical Instructor/Assistant Athletic Trainer
Gail Samperil, M.A.T., ATC, Clinical Assistant Professor, Director, Human Movement and Sports Science Program
Tim Speicher, M.S., A.T.C., C.S.C.S., Clinical Assistant Professor/Assistant Athletic Trainer

Major in Human Movement and Sports Science

Human Movement and Sports Science Courses

HM 100 Prevention of Athletic Injuries and Illnesses
HM 250 Exercise Physiology
HM 253 Pathophysiology and Pharmacology
**Human Movement and Sports Science Course Descriptions**

- **HM 100 Prevention of Athletic Injuries and Illnesses** 3 CR
  Emphasizing prevention of athletic injury, this introductory course includes content on environmental influences, preseason screening, protective equipment and health risks related to athletics. Also includes section on recognition of significant injury and development of documentation skills. Prerequisite: BI 131 (or concurrently taking BI 131) or equivalent.

- **HM 250 Exercise Physiology** 4 CR
  Presents a workable knowledge of the body's response to physical activity. Exercise metabolism, cardiopulmonary function, adaptations to training and environmental factors are addressed as well as exercise training guidelines. A portion of the lab component includes service in the community related to exercise and its application to health, wellness, and chronic disease risk factor modification. Prerequisites: BI 111/113 and BI 131/132.

- **HM 253 Pathophysiology and Pharmacology** 3 CR
  A systematic study of the disease process and disorders commonly seen in an exercise setting. Emphasis is on the effect of disease symptoms, management and pharmacological agents on physical activity. Prerequisites: HM 250 and HM 260 or taking concurrently.

- **HM 255 Nutrition for Athletes** 3 CR
  Examines the relationship between nutrition and exercise. Also includes section on nutrient and food energy needs of the physically active. Prerequisite: BI 132.

- **HM 260 Kinesiology** 3 CR
  The study of basic mechanical and kinesiological...
principles and their functions, interrelationships and involvement with the mechanics of human motion. Prerequisites: PY 100, BI 131 and corequisite: BI 132.

**Athletic Training Course Descriptions**

**AT 125 Athletic Training Basic Skills** 1 CR
Course meets on a regular basis for formal competency development. Includes skill development in taping, wrapping and splinting techniques, therapeutic modalities, basic evaluation techniques, emergency care, topical anatomy. Prerequisite: Athletic Training students only.

**AT 129 Athletic Training Clinical Practicum I** 1 CR
Athletic Training students only or consent of program director. Specific content includes emergency procedures, taping and bracing, and basic assessment and evaluation. Students also obtain clinical athletic training experience under the supervision and guidance of a certified athletic trainer in an approved setting. Weekly minimum of 8 hours of practical experience required. The nature of the didactic portion of this course is problem based. Prerequisite: HM 100 or equivalent experience.

**AT 220 Athletic Training Clinical Practicum II** 2 CR
Athletic training experience under the supervision and guidance of a certified athletic trainer in an approved setting. Course meets on a regular basis for formal competency development. Specific content includes orthopedic assessments and treatments, emergency scenarios focusing on environmental elements, assessment of protective equipment and pre-participation examinations. Weekly minimum of 10 hours of practical experience required. The nature of the didactic portion of this course is problem based. Prerequisite: AT 129, Athletic Training student or consent of Athletic Training program director.

**AT 221 Athletic Training Clinical Practicum III** 2 CR
Continued athletic training experience under the supervision and guidance of a certified athletic trainer in an approved setting. Course meets on a regular basis for formal competency development. Specific content includes orthopedic assessments, modality treatments, orthotic fabrication, and strength and conditioning techniques. Weekly minimum of 10 hours of practical experience required. The nature of the didactic portion of this course is problem based. Prerequisite: AT 220, Athletic Training student or consent of Athletic Training program director.

**AT 240 Evaluation and Management of Athletic Injuries, with Lab** 4 CR
Evaluation of sports-related injuries and illnesses. Immediate management of sports-related conditions. Prerequisites: BI 131, corequisite HM 100 and BI 132, Athletic Training students only or instructor consent.

**AT 241 Therapeutic Modalities, with Lab** 4 CR
Investigates and analyzes indications, contraindications, and setup procedures for therapeutic agents, including pharmacological influences, that aid the healing of injury, reduction of pain, and assistance in the rehabilitation process among the active population, utilizing the injury response cycle as a foundation for clinical decision making. A problem-solving approach to treatment planning and implementation is also utilized. Prerequisites: AT 240 and PY 100, Athletic Training students only or instructor consent.

**AT 310 Aspects of Clinical Medicine** 3 CR
Introduces the athletic training student to the etiology of normal and abnormal responses to athletic injuries/illnesses and diseases. Discussions center on general medicine topics: etiology, pathology, clinical evaluation, medical management, and prognosis of common types of muscu-
loskeletal, cardiovascular, visceral or neurological injury and disease. Also exposes athletic training students to other medical and allied health professionals. The course includes both lectures from a variety of health care professionals and case-based discussions. Prerequisite: AT 221 or consent of instructor.

**AT 322 Athletic Training Clinical Practicum IV 3 CR**

Provides students with an athletic training experience under the direct supervision of a certified athletic trainer and guidance in associated professional areas. Course content includes advanced orthopedic assessment, research skills, general medicine and professional development. Weekly minimum of 15 hours of practical experience required. The nature of the didactic portion of this course is problem based. Prerequisite: AT 221, Athletic Training student or consent of instructor.

**AT 323 Athletic Training Clinical Practicum V 3 CR**

Provides students with an athletic training experience under the direct supervision of a certified athletic trainer and guidance in associated professional areas. Course content includes continued development of research skills, general medicine, nutrition, organization and administration and professional development. Weekly minimum of 15 hours of practical experience required. The nature of the didactic portion of this course is problem based. Prerequisite: AT 322, Athletic Training student or consent of instructor.

**AT 342 Rehabilitation of Athletic Injuries, with Lab 4 CR**

Analysis and application of the various therapeutic approaches to rehabilitation of athletic injuries. Prerequisite: AT 241, Athletic Training student or consent of instructor.

**AT 375 Organization and Administration in Athletic Training 3 CR**

An overview of administrative concepts and organization of an athletic training program and facility in a variety of settings, including university, secondary school, and private clinic. Prerequisite: Athletic Training student or consent of instructor.

**Exercise Science Course Descriptions**

**EX 320 Special Application of Exercise 3 CR**

Provides practical exercise science experience in a field setting under direct supervision. This course presents a service-learning component in addition to a weekly seminar. Prerequisites: HM 250 and HM 250 or instructor's consent.

**EX 358 Human Development and Exercise 3 CR**

Examines the theory and practice of selecting age-appropriate fitness-promoting activities. Reviews the effects that growth and maturation have on physical performances. Prerequisites: HS 260 and HS 250.

**EX 362 Physical Fitness Testing Methods 3 CR**

A lab course exploring various methods to assess musculoskeletal strength/endurance, cardiopulmonary endurance, flexibility, body composition as well as clinical assessment skills and the use of exercise testing as a diagnostic tool. Emphasis is on assessment, screening, and developing a test battery leading to the creation of individualized exercise programs. The lab component includes participating in an exercise and wellness program and administering a community health screening. Prerequisites: HS 260 and HS 250, may be taken concurrently with ES 358.

**EX 363 Developing Strength and Conditioning Programs 4 CR**

Reviews the scientific basis and practical concerns related to the development of safe, effective strength and conditioning programs. Emphasis is
on both proper exercise technique/instruction and the creation of programs utilizing numerous systems and modalities. Prerequisites: HS 260 and HS 250.

EX 365 Methods and Procedures of Exercise Prescription 4 CR
Examines methods to formulate fitness programs for the apparently healthy and chronically diseased individual. Emphasis is on modifying exercise programs for special populations, including exercise for the purpose of rehabilitation. The lab component consists of a clinical rotation in exercise science. This rotation includes cardiac rehabilitation, pulmonary rehabilitation, corporate fitness and wellness, and orthopedic rehabilitation at local hospitals, corporations and clinics. Prerequisite: EX 362.

Nursing
The Nursing program (BS) is designed to meet a variety of educational needs beginning with the initial preparation necessary to enter the profession of nursing through specialization at the master’s degree level.

Faculty
Dori Taylor Sullivan, Ph.D., R.N.C., Director and Associate Professor
Anne M. Barker, Ed.D., R.N., Associate Professor
Susan M. De Nisco, M.S.N., A.P.R.N., Clinical Assistant Professor
Kathleen S. Fries, M.S.N., R.N., Instructor
Michael R. Hargrave, M.B.A., M.S., R.N., Instructor
Carol A. Kravitz, M.S.N., A.P.R.N., Clinical Associate Professor
Cynthia O’Sullivan, M.S.N., R.N., Instructor
Linda L. Strong, Ed.D., R.N., Assistant Professor

Constance E. Young, Ed.D., R.N., Assistant Director Undergraduate Nursing and Associate Professor

Nursing Laboratory
The Nursing Learning Resources laboratories are equipped with exam tables, hospital beds, computers and a variety of audiovisual material. The laboratory is designed for courses in nursing practice fundamentals, health assessment, pharmacology and advanced medical surgical nursing. Under the direction of faculty and RN laboratory assistants, students practice skills and demonstrate competency in these skills in a simulated clinical setting. Modern equipment and supplies are available for simulating clinical skills needed in both hospital and community settings. In addition to scheduled class times, the laboratory is open and staffed for students’ individual practice during specified hours.

Major in Nursing
Two areas of concentration are offered in the Nursing major: First Professional Degree program and Nursing Completion program for RNs who wish to achieve a BSN. The Nursing Completion program is offered either as a traditional, campus-based program or via the Internet. The BSN programs are fully accredited by the National League for Nursing Accrediting Commission (NLNAC). For information, contact the NLNAC, 61 Broadway, 33rd Floor, New York, NY 10006; phone: 1-800-669-1659, ext. 153; fax: 212-812-0390; web site: www.nlnac.org.

First Professional Degree Program
The BS in Nursing program provides a first professional degree in nursing for entry into professional practice. At the conclusion of the four years of study, students are eligible to take the Registered Nurse licensure examination. Prior to entry into the Nursing major, students are admit-
to the University and during the first year of study take prerequisite science and social science courses. In the spring of Freshman year, students are evaluated for matriculation to the Nursing major, which begins in the Fall semester of the Sophomore year. At the time of evaluation, students must have a minimum GPA of 2.5 and must have completed all of the Freshman-year courses.

Matriculation into nursing is competitive and predominately based on scholarly achievement during the first year of coursework with Sacred Heart University freshmen given preferential consideration. To receive a baccalaureate degree in Nursing, the First Professional Degree student must complete 126 credit hours of study, 70 credit hours in prescribed general education courses, 56 credit hours in the major, and maintain an overall GPA of 2.5 with no grade lower than a C in the sciences or nursing courses.

**Prerequisite Courses for Matriculation to the BS in Nursing Program**

BI 131 Human Anatomy and Physiology I  
BI 132 Human Anatomy and Physiology II  
CH 100 Principles of Chemistry  
CH 125 Principles of Organic and Biochemistry  
EN 011 Introduction to Rhetoric  
EN 012 Rhetoric: The Research Paper  
FS 101 Freshman Seminar  
MA 105 Mathematical Applications for Health Sciences  
PS 101 General Psychology—Scientific Aspects

**Additional Required Courses for the BS in Nursing**

BI 161 Introduction to Microbiology  
CA 021 Effective Communication  
EN 101 Approaches to Literature  
HI 101 Civilizations  
MA 131 Statistics for Decision Making  
PH 101 Introduction to the Problems of Philosophy  
PS 251 Life Span Development  
RS 101 Introduction to the Study of Religion  
RS 260 Bioethics  
SO 101 Sociology: An Introduction  
Two electives from Area B-1 (Humanities)  
Free elective

**Required Courses in the Nursing Major**

NU 205 Foundations of Professional Practice  
NU 215 Health Assessment  
NU 260 Adult Nursing I  
NU 300 Psychiatric—Mental Health Nursing  
NU 330 Family and Child Health Nursing  
NU 360 Adult Nursing II  
NU 365 Nursing Research  
NU 381 Community Health Nursing  
NU 395 Nursing Care Management and Role Transition

**Nursing Completion Program (RN to BSN)**

The Registered Nurse to Bachelor of Science in Nursing program provides registered nurses who have graduated from accredited diploma or associate degree programs educational mobility in a program designed for the adult learner. No entrance exams are required for practicing, licensed nurses.

The RN to BSN program is student-friendly and tailored to meet the needs of adult learners. There are two courses in the curriculum with a practicum component: clinical leadership and community health. Students select preceptors and design learning objectives and strategies, with faculty approval, based on their personal learning needs and areas for growth. Students do not have to repeat previous clinical experiences. Required Nursing courses are upper-division courses and are designed specifically for RN students.

To receive a BS degree in Nursing, the RN must complete 124 credit hours of study: 67 credit
hours in prescribed general education courses and 57 credit hours in the major with a 2.5 GPA. Thirty nursing credits are awarded through an individualized process of review for crediting prior learning and experience, with acceptance of the Connecticut Nursing Education Articulation Plan. The professional major is built on a core of sciences, humanities, social sciences and mathematics courses. Prior to entry into the major, specific prerequisite courses must be completed at Sacred Heart University or another accredited college, or by college-level examinations (CLEP).

**Prerequisite Courses to the Upper-Division Nursing Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 131</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>BI 132</td>
<td>Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>BI 161</td>
<td>Introduction to Microbiology</td>
</tr>
<tr>
<td>CH 100</td>
<td>Principles of Chemistry</td>
</tr>
<tr>
<td>EN 011</td>
<td>Introduction to Rhetoric</td>
</tr>
<tr>
<td>PS 101</td>
<td>General Psychology—Scientific Aspects</td>
</tr>
<tr>
<td>PS 252</td>
<td>Child Development Psychology</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>PS 251</td>
<td>Life Span Development</td>
</tr>
<tr>
<td>SO 101</td>
<td>Sociology: An Introduction</td>
</tr>
</tbody>
</table>

**Additional Required Courses for the BS in Nursing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 021</td>
<td>Effective Communication*</td>
</tr>
<tr>
<td>EN 012</td>
<td>Rhetoric—The Research Paper*</td>
</tr>
<tr>
<td>EN 101</td>
<td>Approaches to Literature*</td>
</tr>
<tr>
<td>HI 101</td>
<td>Civilizations</td>
</tr>
<tr>
<td>MA 105</td>
<td>Math Applications for Health Sciences*</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>MA 101</td>
<td>Modern College Mathematics*</td>
</tr>
<tr>
<td>MA 131</td>
<td>Statistics for Decision Making</td>
</tr>
<tr>
<td>PH 101</td>
<td>Introduction to the Problems of Philosophy</td>
</tr>
<tr>
<td>RS 101</td>
<td>Introduction to the Study of Religion</td>
</tr>
<tr>
<td>RS 260</td>
<td>Bioethics</td>
</tr>
</tbody>
</table>

**Electives**

Two Humanities courses, one from two areas including Art; Music; History; Literature; Media Studies; Modern Foreign Languages; Free elective

**Nursing Major Requirements**

- NU 200 Foundations of Professional Nursing
- NU 290 Validation of Prior Learning[^4] [30 undergraduate nursing credits]
- NU 250 Leadership and Management
- NU 320 Health Assessment for RNs
- NU 350 Clinical Leadership for RNs
- NU 365 Nursing Research
- NU 380 Community Health Nursing for RNs
- NU Elective (one course required)

Courses in the Nursing major are generally taken in sequence with the exception of the Nursing elective, which can be taken at any time. NU 350 and 380 are the last 2 nursing courses taken.

[^4]: The University requires three English courses. Check with your advisor about transfer of these courses to assure compliance with requirements.

The RN to BSN on the Web Program

The RN to BSN on the Web program is an alternative delivery model that allows students to study at home or anywhere they have access to a computer. All the required Nursing courses and most of the non-Nursing courses are offered online. Students may elect a combination of traditional and online courses.

The web-based program uses the same curriculum and faculty as the on-campus program.

The RN to BSN on the Web program is designed to
enhance the nursing skills and knowledge of the registered nurse while providing an overview of today's changing health care system. Completion of the degree requires 27 credits in the Nursing major at the baccalaureate level, all of which may be online. In addition, 30 credits are awarded to the student for previous nursing course work, based on a review of the student's resume, clinical experience and references, or through the Connecticut Articulation Program as applicable. Sacred Heart University does not require any testing, such as the NLN mobility profiles, to award these 30 credits.

Course Descriptions

NU 200 Foundations of Professional Nursing 3 CR
This course is designed as a bridge course to the Nursing major and as a forum to facilitate comparison between the scope of practice of the RN and the baccalaureate-prepared nurse. Exploration of the framework of this program occurs. Role behaviors of the baccalaureate practitioner are analyzed and applied. Critical thinking when communicating both verbally and in writing is emphasized. Prerequisite: Completion of the prerequisite courses to the upper-division Nursing major.

NU 205 Foundations of Professional Practice 6 CR
This course introduces the student to the profession of nursing. The student builds upon foundational knowledge from the liberal arts, sciences and humanities and applies this to the content and process of nursing. The metaparadigm of nursing is presented in conjunction with the University's mission and organizing framework. Students are introduced to the concepts of health and effective communication and demonstration of the teaching/learning process. Theories for nursing practice are introduced. Laboratory and clinical experiences are coordinated to offer the student practical experience with selected clients in providing basic nursing care in a professional, caring manner. Students will also incorporate principles of nutritional and pharmacological therapies, including medication administration and documentation, while providing supervised clinical care. Students will demonstrate effective use of available technologies to assess, monitor and evaluate patient care. Prerequisite: Acceptance to the major.

NU 215 Health Assessment 3 CR
Introduces assessment parameters including interviewing, history taking, physical examination and functional assessment. Students formulate nursing diagnoses based on the North American Nursing Diagnosis Association nomenclature. Adequate data collection and careful analysis for diagnostic and planning purposes are stressed. Prerequisite: Acceptance to the major.

NU 220 Women's Health 3 CR
Builds on the historical perspective of women's health issues to address current needs and options in the present health care delivery system. Discussions focus on issues pertinent to a woman's physical, moral and emotional life cycle. Special emphasis is on feminist ideologies.

NU 243 Cultural Issues in Health Care Delivery 3 CR
Explores the various elements of culture and ethnicity that impact the provision of health care and the eventual acceptance of this care by individuals, families and communities. Issues such as time, communication, health beliefs, gender and values are discussed and compared to the beliefs and practices of American culture and the current method of delivering health care.

NU 250 Leadership and Management 3 CR
This course focuses on the development of the RN to BSN student in the role of leader/manager of a
clinical practice discipline. The purpose is to provide the student with the basic concepts and theories needed for effective management of client care. These include management theory; human resource management; leadership; and the managerial role of planning, organizing, leading and evaluation. Application of theory to practice occurs through written and verbal evaluation methods. 

Prerequisite: NU 200

NU 260 Adult Nursing I 6 CR
The first of two adult nursing courses, this course emphasizes the nursing roles in health promotion, health restoration and health maintenance. Classroom and clinical learning experiences focus on integration of knowledge from previous course work. Consistent with the organizing framework of the Nursing program, this course incorporates aspects of critical thinking into classroom and clinical learning experiences. Students have the opportunity to provide nursing care to clients with common health problems from young adulthood to older adults. Course content focuses on the common health problems of the population of clients, which include: urinary, intestinal, neurologic and musculoskeletal disorders; problems of metabolism, sensation and perception; and perioperative nursing care. 

Prerequisites: NU 205 and NU 215

NU 270 The Nurse and the Law 3 CR
 Examines the U.S. legal system and the law's impact on the practice of nursing and the provision of health care in the United States. Topics include the legal basis of nursing practice, theories of professional liability, confidentiality and informed consent.

NU 274 Care Management and Outcomes Assessment 3 CR
 This nursing elective course will examine recent changes in the healthcare system that have led to dramatic changes in how and where care may be provided. The impact on patients and families, nurses and other health providers, and healthcare organizations will be explored in the context of the following key concepts: the evolving continuum of care, care/case management principles and practice, multidisciplinary evidence-based practice protocols, outcomes assessment and performance improvement, medical errors and patient safety, and financing and reimbursement.

NU 299 Special Topics in Nursing 3 CR
 Designated new or occasional courses that may or may not become part of the department's permanent course offerings. Prerequisites are established by the department as appropriate for the specific course. Course title is shown on the student's transcript.

NU 300 Psychiatric—Mental Health Nursing 6 CR
 Introduces students to the practice of mental health nursing for individuals, families and groups with commonly occurring mental health disorders. Course content stresses the interpersonal process, nurse self-understanding and current mental health practice. Commonly occurring mental health disorders such as addictive behaviors, personality disorders, schizophrenia and mood disorders are presented. Stresses critical thinking in relation to the provision of care to clients with mental health needs. 

Prerequisites: NU 205, NU 215 and NU 260

NU 320 Health Assessment for RNs 3 CR
 Focuses on comprehensive health assessment for RN students. Adequate data collection and analysis for diagnostic and nursing plans are stressed. Students use the diagnostic reasoning process to formulate nursing diagnoses based on the North American Nursing Diagnosis Association nomenclature. The nursing laboratory is used.

NU 330 Family and Child Health Nursing 9 CR
 Focuses on the application of the elements of critical thinking to the care of women, children and
families in their childbearing and child-rearing experiences. Incorporating content from the liberal arts, sciences and humanities, students explore the roles of the nurse in relation to current research, issues, concepts and trends in family and child health. Culturally sensitive nursing practice embodies the care of women, children and families who range from healthy to at-risk states along the continuum of their growth and development. Nursing interventions are supportive, restorative and promotive in nature, and include principles of effective communication and teaching. Clinical experiences provide students with opportunities to apply their critical thinking and knowledge base from family and child nursing to a variety of healthy to at-risk situations, and across a variety of settings. 

**Prerequisites:** NU 205, NU 215, NU 260 and NU 300

**NU 350 Clinical Leadership for RNs** 6 CR

This course seeks to synthesize the philosophy and organizational themes of the Nursing program through reading, reflective writings and discussion on individual goal-directed experiences focused on clinical leadership. Areas covered include the skills of leadership, system of care and practices of leadership. Focus is on case management and the leadership activities and interventions required to be effective in the clinical environment of the new millennium. The skills of leadership are interrelated with practice and require a positive sense of self in conjunction with judgment based on experience and research. **Prerequisites:** Permission of instructor one semester in advance of enrollment; NU 200, NU 250, NU 320, and NU 365

**NU 360 Adult Nursing II** 9 CR

The second in the two-course sequence of adult nursing, this course emphasizes the nursing roles for the supportive, promotive and restorative functions of nursing practice, and continues to incorporate critical thinking into learning experiences. Students have the opportunity to provide individualized nursing care that includes the psychosocial and cultural aspects of care to adults with complex health problems, including the critically ill. **Prerequisites:** Sophomore and Junior courses

**NU 365 Nursing Research** 3 CR

This course prepares nursing students to critically evaluate research for its application to the practice of professional nursing. The course reviews quantitative and qualitative methodologies. The ethical and policy agendas that influence research are considered throughout the course. **Prerequisites:** EN 012, MA 131, and permission of advisor for RNs prior to NU 350 and NU 380

**NU 380 Community Health Nursing for RNs** 6 CR

Focuses on family and community as consumers of health services. The different perspectives, sensitivities and application of knowledge unique to nursing of families and the community are identified. Effectiveness of nursing practice is explored in relation to the problems, priorities, attitudes, culture and resources of the individual, family and community. **Prerequisites:** NU 200, NU 250, NU 320 and NU 365

**NU 381 Community Health Nursing** 6 CR

Focuses on the family and community as consumers of health services. The different perspectives, sensitivities and application of knowledge unique to the nursing of families, aggregates and the community are identified. Priorities and intervention strategies for health promotion, health protection and health restoration for families, aggregates and communities are stressed. In collaboration with other health disciplines, First Professional Degree students learn to develop intervention plans jointly with community-based clients. **Prerequisite:** Last-semester Seniors only

**NU 382 Management of Home Health Care Agencies** 3 CR

This course takes basic management concepts and applies them specifically to home care. Content
includes financing home care including Medicare, Medicaid and private insurance; State and Federal regulations; accreditation regulations including quality improvement concepts of case management; trends and issues in home care; legal and ethical consideration in home care, and community resources. This course is only offered online.

NU 383 Alternative Healing Modalities 3 CR
Examines holistic forms of health care that can add to the effectiveness of traditional allopathic care.

NU 395 Nursing Care Management and Role Transition 9 CR
This 9-credit clinical course focuses on leadership and management activities integral to the provision of health care for individuals, families and/or communities. These activities require assessment, collaboration and evaluation. The ability to work and communicate with others is fundamental to these activities.

Additionally the course explores the transition to the role of the professional nurse. Themes of the course are health care as a system, professionalism and the role of the nurse in the provision of cost-effective quality care. Concepts and theories of leadership and management are integrated. Students analyze the health care delivery system and its relationship to the practice of nursing.

Clinical experiences offer the opportunity to participate in aspects of the health care system that influence many patients. These activities may include, but are not limited to, quality outcome evaluation, planning for change, research assessing the cost of health care delivery, ethical deliberation, determining ways to enhance the work environment of employees, identification of ways to do the work, carrying a caseload of patients, developing a comprehensive individual patient care plan and participation in the use of information systems.

Prerequisites: Last-semester Seniors only

Pre-Occupational Therapy
The Pre-Occupational Therapy program consists of a series of required course that are prerequisite courses for the Graduate Program in Occupational Therapy at Sacred Heart University. Pre-Occupational Therapy is in itself not a major field of study at Sacred Heart. To prepare for the Graduate Occupational Therapy Program, students take the required prerequisite course requirements while completing an undergraduate major leading to a traditional Bachelor of Arts or Bachelor of Science degree. Students may select any major field of study they wish and students must declare an undergraduate major by the beginning of their sophomore year. Most of the program prerequisite course requirements also fulfill core curriculum requirements for graduation. The Occupational Therapy program is a graduate program, and requires an additional two years of graduate coursework and fieldwork education experience beyond the baccalaureate degree for the completion of a Master of Science degree in Occupational Therapy. Application to the graduate program in occupational therapy will occur during the junior or senior year of undergraduate study with an early application process available to outstanding incoming Freshmen.

The Occupational Therapy Program is fully accredited under the “Standards for an Accredited Educational Program for the Occupational Therapist-1998” by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA). For information about accreditation, contact ACOTE c/o AOTA, 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220; phone number (301) 652-2682; web address www.aota.org Graduates of the program will be eligible to sit for the national certification examination for the occupational therapist administered.
by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). Most states, including Connecticut, require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination.

Students are admitted to the program on a competitive basis. Admission is based on successful completion of admission requirements, including completion of a baccalaureate degree in a field other than occupational therapy, and completion of all prerequisite courses by the end of the spring semester prior to enrollment. If students require the summer prior to enrollment to complete prerequisites, any acceptance for admission into the program will be provisional to successful completion of the prerequisite coursework. See the Sacred Heart University Graduate Catalog or contact the Office of Graduate Admissions for admission criteria, further information about the program and an application.

Faculty
Jody Bortone M.A., OTR/L, Director and Assistant Professor
Jennifer Cosgrove M.S., OTR/L, Academic Fieldwork Education Coordinator and Assistant Professor
Amy Darragh Ph.D., OTR/L, Assistant Professor
Mary-Ellen Johnson, M.A.H.S.M., OTR/L, Instructor
Sheila Lesensky, M.Ed., OTR/L, Instructor

Requirements
The Pre-Occupational Therapy course of study includes the necessary prerequisite courses, and completion of a Bachelor of Arts or a Bachelor of Science degree in a field other than occupational therapy. Volunteer experience in occupational therapy and or health care is highly recommended.

Prerequisite Course Requirements
Students must take the following prerequisite course while fulfilling requirements for their major field of study in earning a traditional Bachelor of Arts or Bachelor of Science degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Biology I with lab</td>
<td>4</td>
</tr>
<tr>
<td>Human Anatomy and</td>
<td></td>
</tr>
<tr>
<td>Physiology I and II with lab</td>
<td>8</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Life Span Development or Developmental</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>5-9</td>
</tr>
<tr>
<td>(Must include the study of the entire life-span, from birth to old age)</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>(Must include descriptive statistics, probability, confidence intervals, correlation and hypothesis testing)</td>
<td></td>
</tr>
<tr>
<td>Interpersonal Communication or Group</td>
<td></td>
</tr>
<tr>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>Diversity or Multicultural Studies</td>
<td>3</td>
</tr>
<tr>
<td>Ethics, Bioethics or Medical Ethics</td>
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</tbody>
</table>

Recommended Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>Physics with lab</td>
<td>4</td>
</tr>
<tr>
<td>Neuroscience</td>
<td>4</td>
</tr>
</tbody>
</table>

Pre-Physical Therapy
The Pre-Physical Therapy program is a three-year course of study leading to graduate study in Physical Therapy at Sacred Heart University. The professional phase is an additional three years. Application to the professional phase occurs at the end of the Pre-Physical Therapy course of study with an early application process available to outstanding students. Admission to the professional phase is on a competitive basis. In addition to following a Pre-Physical Therapy course of study, stu-
Students must also declare an undergraduate major by the beginning of their Sophomore year. Students complete this major area of study as part of their undergraduate course work.

**Faculty**

Gary P. Austin, Ph.D., P.T., Assistant Professor
Salome Books, M.B.A., P.T., Academic Coordinator of Clinical Education, Assistant Professor
Donna M. Bowers, P.T., M.P.H., P.C.S., Clinical Instructor
Toni Bruciati M.A., Instructor, Coordinator of Ed Tech
David A. Cameron, M.S., P.T., A.T.C., O.S.C., Clinical Assistant Professor
Karen Christensen, Ed.D., Assistant Professor, Director of Lisbon Campus
Michael J. Emery, Ed.D., P.T., Associate Professor and Chairman
Beverly D. Fein, M.S., P.T., Academic Coordinator of Clinical Education, Assistant Professor
Pamela K. Levangie, D.Sc., P.T., Associate Professor
Maria Lizano-DiMare Ed.D., Assistant Professor
Michelle M. Lusardi, Ph.D., P.T., Associate Professor
Jeanne Marcato Ed.D., Assistant Professor

**Requirements**

The Pre-Physical Therapy course of study provides the necessary prerequisites for the Master of Science in Physical Therapy program. Students also complete required and elective core courses required by the University for a Bachelor of Science or Bachelor of Arts degree.

**Required Courses**

BI 111/BI 112 Concepts in Biology I/Concepts in Biology II
BI 113/BI 114 Concepts in Biology I Laboratory/Concepts in Biology II Laboratory
BI 151/BI 152 Human Anatomy and Physiology I/Human Anatomy and Physiology II
CH 151/CH 152 General Chemistry I/General Chemistry II
CH 153/CH 154 General Chemistry Laboratory I/General Chemistry Laboratory II
MA 131 Statistics for Decision Making
MA 140 Precalculus
PY 111/PY 112 General Physics I/General Physics II (noncalculus based) and laboratories
Psychology (two courses)

**Teacher Education**

The Teacher Education program offers a professional curriculum approved by the state of Connecticut for certification as elementary and secondary schoolteachers. Prospective teachers must major in an academic discipline, in addition to completing the teaching certification sequence. Thus, the teacher-graduate not only enters the job market with more than one skill but also possesses a solid academic background and a high level of professional competence.

Teacher Education programs focus on the personal growth of the teacher, the enhancement of a positive self-image, and the social and emotional qualities conducive to teacher effectiveness. The components of the program, such as course work, fieldwork, student teaching and supervision, are designed to assist students in broadening their knowledge of theory, pedagogy, various instructional approaches and the ability to engage in active inquiry. Fieldwork and student teaching are specially designed to help students experience the interrelationship between theory and practice.

**Faculty**

Toni Bruciati M.A., Instructor, Coordinator of Ed Tech
Daniel S. Christianson, Ed.D., Assistant Professor
Karen Christensen, Ed.D., Assistant Professor, Director of Lisbon Campus
Thomas Forget, Ed.D., Associate Professor, Vice President for Academic Affairs
Jane Gangi, Ph.D., Associate Professor
Lois A. Libby, Ph.D., Associate Professor

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"SACRED HEART UNIVERSITY UNDERGRADUATE CATALOG"
Education Mission Statement
Guided by the University and College of Education and Health Professions mission statements, the Faculty of Education at Sacred Heart University engage in "preparing men and women to live in and make their contributions to the human community." Our primary purpose is to develop the capacities, talents and abilities of our teacher candidates through an integration of theory and practice in a performance-based program. Our teacher candidates possess the knowledge, skills and dispositions to facilitate the learning of all children.

Teacher candidates in Sacred Heart University's Department of Education programs demonstrate the following ability-based learning outcomes:

**Multicultural/Global Perspectives.** Candidates possess the knowledge, skills and attitudes to effectively teach diverse populations and to differentiate instruction based on what they discover about each child, including special needs and gifted children, and children from different cultural and ethnic backgrounds.

**Communication.** Candidates acquire effective communication skills and styles, written and oral, to create and maintain an educational climate that promotes the learning of all students. This includes integrating emerging technologies and strategies across the curriculum.

**Higher Order Thinking Skills.** Candidates engage in intellectual pursuits, demonstrating the ability to analyze, synthesize, apply and expand their knowledge base. Further, they demonstrate reflective practice, continually assessing their own and their students' learning using multiple modes of assessment and self-reflection.

**Collegiality and Collaboration.** Candidates become involved collaboratively in teaching, research and service efforts to improve the human condition, locally, nationally and internationally.

**Aesthetic and Artistic Sensibilities.** Candidates cultivate their talents, imagination and creativity for embracing a holistic approach to teaching.

Teacher Certification Programs
The Education Department offers two teacher certification programs: the Elementary School program prepares teachers of children in grades one to six of an elementary school; and the Secondary School program prepares teachers of an academic subject in a secondary school setting.

Sacred Heart University strictly follows all state regulations regarding teacher preparation programs. Therefore, the student must meet the following state-mandated entrance requirements:

- Pass the Praxis 1 (Computer-Based Test) Exam or qualify for waiver by meeting the following alternative testing requirement: A waiver may be granted to students furnishing official proof of achieving high scores on the SAT, ACT or PAA tests. Complete information and test registration materials may be obtained from the Education Department.
- Present an essay demonstrating a command of the English language, explaining reasons for wanting to enroll in the program and emphasizing experience relevant to teaching.
• Present at least two letters of recommendation from people able to testify to the student's suitability as a prospective teacher.
• Be interviewed by members of the faculty of the Education Department.
• Maintain a GPA of at least 2.75.

The elementary and secondary school certification programs require the completion of 36 credits in the professional education sequence. Additional University-approved credits are also required in each of the programs.

**Elementary and Secondary School Courses**

Students are required to take the core courses, the certification courses in their program and additional University-approved credits.

**Core Courses**

ED 101 Educational Psychology
ED 152 Education in the United States
ED 205 Education of Special-Needs Students
ED 207 Classroom Management
ED 229 Multicultural Education
ED 271 Introduction to Computers in Education

**Specific Certification Courses**

**Elementary**

ED 221 Elementary Curriculum and Methods: Reading, Writing and Language Arts
ED 222 Elementary Curriculum and Methods: Mathematics and Science
ED 223 Elementary Curriculum and Methods: Social Studies and Health
ED 387 Children's Literature
ED 391 Student Teaching Seminar: Elementary School

**Secondary**

ED 262 Secondary Curriculum
ED 264 Secondary Methods
ED 272 Societal Issues in Adolescence
ED 342 Teaching Reading and Writing in the Content Areas

ED 395 Student Teaching: Secondary School

For further specifics about the Teacher Education program or about advanced teaching degrees and certification programs for those who have already earned a bachelor's degree, contact the faculty of the Education Department at 203-371-7800.

**Course Descriptions**

**ED 101 Educational Psychology** 3 CR

Course considers the application of psychological principles to educational theory and practice. Students explore the many ways of thinking about knowledge, teaching and learning. Major theories of learning and development are introduced and consistent themes and concepts identified.

**ED 152 Education in the United States** 3 CR

Introduces the historical, philosophical and sociological foundations underlying the development and organization of education in the United States.

**ED 205 Education of Special-Needs Students** 3 CR

Focuses on identification of exceptional students as well as methods of meeting their educational needs in regular and special classroom settings. Exceptionalities studied include all areas identified by national and state mandates.

**ED 207 Classroom Management** 3 CR

Presents teaching strategies for discipline and management in the classroom. Students learn practical approaches for the establishment of routines and codes of conduct. Group dynamics; assertive discipline; conflict resolution; and the legal rights of teachers, parents and students in Connecticut are examined.

**ED 221 Elementary Curriculum and Methods: Reading, Writing and Language Arts** 3 CR

Methodology in the areas of reading instruction and language arts. Field experience is an integral part of this course.
ED 222 Elementary Curriculum and Methods: Mathematics and Science 3 CR
Students learn the basic concepts, scope and sequence of instruction and current methodology in elementary mathematics and science. Attention is given to lesson planning and unit planning/skill development utilizing application of current research in effective mathematics and science instruction. Emphasis is placed on students as learners and the role of teacher as facilitator of math and science investigation.

ED 223 Elementary Curriculum and Methods: Social Studies and Health 3 CR
Examines the scope and sequence of curriculum as well as content and methods of instruction in elementary grades. Special attention is focused on lesson and unit planning and skill development in the subject areas.

ED 229 Multicultural Education 3 CH
This course is designed to foster understanding of ethnicities through literature and storytelling. Students attain problem-solving and listening skills necessary for attitudinal changes for appreciation of diversity. Group process activities are presented to help students understand biases and stereotypical assumptions, and how these affect decisions in the classroom. Portions of this course are experiential. There is a 10-hour service-learning requirement.

ED 262 Secondary Curriculum 3 CR
Explores national and state curriculum standards for grades 7 to 12. Philosophical, psychological and practical implementation of curriculums in the secondary classroom is emphasized. Students develop subject-specific curriculums appropriate to secondary disciplines.

ED 264 Secondary Methods 3 CR
Examines various methods of instruction applicable to all academic areas. Students plan and teach microlessons in content areas, develop short- and long-range lesson plans and complete a subject-specific portfolio for an extensive unit. Philosophical, psychological and practical implications for instruction process learning and cooperative learning are discussed and practiced.

ED 271 Introduction to Computers in Education 3 CR
Investigates the use of computers in the classroom and how to operate an instructional computer (programming not included). Commercial software is demonstrated and criteria for the evaluation of educational software discussed.

ED 272 Societal Issues in Adolescence 3 CR
Focuses on the practical acquisition and application of knowledge of substance abuse prevention education and promotion of wellness.

ED 342 Teaching Reading and Writing in the Content Areas 3 CR
Examines fundamental principles of teaching reading and writing in middle and secondary schools. Students learn to effectively integrate reading and writing skills in subject-specific content areas; create classroom writing workshops, and thematic units; and utilize subject-specific trade books. In addition, students learn strategies for developing positive attitudes toward reading and writing as lifetime skills.

ED 385 Observation and Case Studies of Learners 3 CR
In-depth, field-based study of individual learners forms the basis for understanding learning styles, applications of teaching methods, elements of curriculum development and processes of classroom management.

ED 387 Children's Literature 3 CR
Examines a variety of children's literature to cultivate interest in books and develop methods for incorporating literature into classroom experiences. Criteria for selecting children's books are included.
ED 391 Student Teaching Seminar:  
Elementary School  6 CR

ED 395 Student Teaching Seminar:  
Secondary School  6 CR

The seminar, which meets weekly in conjunction with the full-time student teaching assignment, focuses on the teaching-learning process as it is being experienced in the student teaching setting. Related issues such as teacher competencies, evaluation, supervision and self-assessment, curriculum planning, implementation, evaluation and situational topics are explored.
ED 391 Student Teaching Seminar:
Elementary School 6 CR

ED 395 Student Teaching Seminar:
Secondary School 6 CR
The seminar, which meets weekly in conjunction with the full-time student teaching assignment, focuses on the teaching-learning process as it is being experienced in the student teaching setting. Related issues such as teacher competencies, evaluation, supervision and self-assessment, curriculum planning, implementation, evaluation and situational topics are explored.
University College
UNIVERSITY COLLEGE

Nancy L. Sidoti, M.A.T., Interim Dean
Edward G. Donato, M.A., Associate Dean and Assistant Professor

University College brings Sacred Heart University’s resources and programs to adults, part-time students and to the community. It makes undergraduate degree programs available to part-time students. It is also the college that develops and implements innovations in pedagogy, delivery and content.

University College administers continuing education, the summer credit program, winter intersession and a Master of Arts in Learning Program and online learning. Through its Center for Professional Development, it designs and delivers conferences, institutes and non-credit courses, including certificate programs, to area individuals, organizations and businesses. Additionally, satellite campuses in Derby, Shelton, and Stamford are an integral part of the college. Corporate on-site programs are offered at Sikorsky Aircraft, Bridgeport Hospital, St. Francis Medical Center, and People’s Bank. More than 3,000 part-time students currently study at Sacred Heart University through University College.

A major objective for the college is to maintain and expand its position as the regional leader in providing learning opportunities to adult students. This is accomplished by stressing teaching, student service and access, responsiveness to the emerging educational needs and Sacred Heart University’s mission and values. University College develops, markets and delivers innovative non-credit, continuing education, certificate and degree programs designed for adult learners. It is responsive to the education and training needs of business, social service and professional and governmental organizations.

University College works with area business by marketing its services and providing in-house corporate education programs.

Specialized Services and Programs of University College

AHEAD Program (Adults in Higher Education working for Accelerated Degrees)

AHEAD is an accelerated degree program in Business Administration and Finance. This special program provides working adults who have family and other responsibilities the unique opportunity to complete a degree in half the time of a traditional part-time program. It consists of five terms per year. Each term is seven and one-half weeks in duration. Classes meet two nights per week in two-hour-and-fifteen-minute evening sessions, or one night per week for a four-and-one-half-hour session.

Academic Services

Academic Services are designed to assist adult students in establishing and achieving educational goals. Services include pre-admission and new-student advisement, degree planning information, academic support and referral. Academic support assistance is available in the areas of academic and peer advisement, major options and declara-

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<tr>
<th>Discipline</th>
<th>Courses Only (No Major/Minor)</th>
<th>Associate’s Degree</th>
<th>Bachelor’s Degree Major</th>
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<td>Yes</td>
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<tr>
<td>Leadership Studies</td>
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Academic Skills Assessment
University College makes sure that students in the program are well prepared to handle any and all situations connected with the college experience. Through the Jandrisevits Learning Center, placement testing is offered in Math and English; appropriate course work is recommended; and assistance is provided in the areas of critical thinking, memory skills, problem solving, reading comprehension, test taking, time management and public speaking.

Assessment of Prior Learning
Adult learners have accumulated a wealth of experience throughout life. Sacred Heart University recognizes that knowledge and expertise are not exclusively delivered in a college classroom. University College can provide mechanisms for adult students to convert life's education to college credit. Through CLEP, DANTES and EXCELSIOR national testing, portfolio presentation, and American Council on Education and New York REGENTS-sanctioned noncollegiate sponsored learning, students can earn as many as 60 credits.

Career Counseling Services
Professional staff members work with students to assess abilities and interests in order to formulate a potential study plan. Emphasis is on planning for life. Services are offered to identify and establish career goals, address current career issues and research new options. In-depth career consultation, testing and resumé assistance are available on an appointment basis. As students progress through the academic program, assistance in the disciplines necessary for securing the optimal career position is offered as required.

Curricular Formats in University College
University College allows students to pursue undergraduate study in a variety of formats, which may be used exclusively or combined to facilitate the most comfortable, expedient and optimal route to degree completion. Classes are offered at Sacred Heart University campuses in Fairfield, Shelton, Stamford and Derby. Students can elect from the following choices:

Accelerated Classes
Traditional collegiate study terms run anywhere from 15 to 18 weeks. University College can consolidate class time periods to speed up course completion. Depending on the course, students can choose 5½- or 7½-week terms, with class meetings either once or twice per week, intensive sessions of varying lengths or a weekend schedule. Many students are able to accumulate more than 30 credits in just one year.

Online Learning
With the dawn of the 21st century and technological advances, college instruction is no longer limited to a campus classroom. Through the Internet and the world wide web, students can access knowledge from a personal computer in the workplace, the home or even the backyard. University College offers opportunities for the alternative delivery of course materials and student interactions in any number of forms. University College can make degree completion an integral part of today's future.

Guided Independent Learning
University College provides qualified students the option to engage in advanced or specialized independent study in a given academic area. Faculty members guide students through all phases.

Traditional Semester Study
Adults who prefer standard course presentation and time intervals can elect to tailor their programs in the traditional format, both during the
Financial Assistance Services
The University Office of Financial Assistance counsels students regarding all of the options available to meet the cost of education. By combining grant money, government-subsidized loans, low-interest loans, deferred payment plans, employer reimbursement opportunities, VA eligibility programs, VISA, MasterCard, and American Express financing, a plan will be designed for the specific requirements of each student.

Weekend University
The Weekend University offers University core curriculum courses that facilitate the pursuit of a degree for an adult who has difficulty attending classes during the week. Courses are offered every second weekend, and an accelerated schedule is available for those students interested in attending every weekend.

Baccalaureate Degree in General Studies
The General Studies program was developed specifically for adult students interested in custom-designing their own multidisciplinary curriculum. It allows students to investigate areas of study that best serve their life and/or work situation. Students select courses from either one or two broad areas of study. With the help of a faculty advisor, a cohesive plan of study, which culminates in a project to synthesize the learning experience, is designed. Classes may be taken in any number of formats.

Program Structure
Students select 36 major credits from either one or two broad areas of study plus a capstone project (3 credits). The broad areas of study are:

- Arts and Humanities
- Natural Science, Numerical and Symbolic Reasoning
- Professional Studies
- Social Science

A capstone project course is required at the end of the program to synthesize learning. In developing the General Studies major, students, with the help of a faculty advisor, formulate a comprehensive plan of study. This ensures the pursuit of a meaningful program rather than a collection of unrelated electives.

Course Scheduling
Students may select courses from the University's regular day and evening offerings in the Fall, Spring and Summer terms. Students can also take courses in an accelerated format, as well as on weekends. The program is available at the main campus in Fairfield, with selected courses offered at the Shelton, Stamford and Derby campuses.

Qualifications for Admission
Admission to the General Studies program is open to individuals with a high school diploma or its equivalent. Students who already have transfer credits are also welcome.

Curriculum
In addition to the 39 credits in the major, there is a 54-credit University core curriculum and 27 credits of general electives. Credit through CLEP, DANTES and EXCELSIOR exams and through the Assessment of Prior Learning Program is also available.

Bachelor of Science in Leadership Studies
The Bachelor of Science degree in Leadership Studies at Sacred Heart University is an interdisciplinary program that studies leadership both as a growing body of knowledge in itself and a theme that brings together the content of many traditional disciplines. The program integrates liberal arts such as history, art, literature, philosophy, reli-
SACRED HEART UNIVERSITY UNDERGRADUATE CATALOG

The program is designed for working adults who bring to the classroom significant work and life experience, and prior post-secondary study. It emphasizes learning and learning outcomes, integrates thought and action and relies upon the emerging concepts of adult learning. The development of specific leadership skills necessary in today's ever changing world is emphasized. These skills include the ability to use technology, to work with others and in teams and an understanding of diverse and global social structures, self-management skills and the motivation to make a difference and act ethically.

Graduates of the Bachelor of Science in Leadership Studies program will be aware of the traditions that have shaped their personal, social and spiritual lives. They will have an informed and critical outlook on personal, professional and civic issues, and will possess the intellectual tools for understanding personal, professional and civic change. They will have an understanding of the implications and contexts of their actions, and will have the ability to understand the nature of power, influence and authority in their public and private lives. This degree program is available in an online format and/or in a traditional classroom setting.

 Bachelor of Science in Leadership Studies Major Requirements (33 credits)

- LS 100 Adult Learning Seminar
- LS 110 Research and Qualitative Analysis
- LS 182 Leading in a Diverse Society
- LS 230 Leadership In a Global Environment
- LS 200 Leadership Theory
- LS 210 Personal Leadership Style
- LS 240 Leadership and Change
- LS 250 Ethics and Leadership
- LS 300 Capstone: Leadership Seminar
- LS 301 Capstone: Applied Research in Leadership
- Two Leadership electives

Associate in Arts General Studies

Emphasis Requirements (15 credits)

- LS 100 Adult Learning Seminar
- LS 200 Leadership Theory
- LS 250 Ethics and Leadership
- Two Leadership electives

Course Descriptions

LS 100 Adult Learning Seminar 3 CR
An examination of adult learning theories and learning styles, and their applications to personal, community and work settings, with special attention to the relationships between adult learning theories and theories of leadership. Central concerns of this class include the relationship between experience and learning, and learning in social organizations.

LS 110 Research and Qualitative Analysis 3 CR
A course designed to develop an appreciation of the practical value of research, and to enable students to become informed consumers of research. Students learn to use college-level research methods with comfort and competence. The course develops students' abilities in a number of research methodologies, including practical research design methods. Emphasis is placed on qualitative research and analysis.

LS 181 Team Building and Group Dynamics 3 CR
Examines common approaches to group theory from a Leadership Studies perspective. Students examine ways that groups and teams function and
the dynamics of influence, power and authority in small group settings. Special emphasis is placed on social implications of team-building techniques and theories of group dynamics. **Prerequisites:** LS 100 and LS 200

**LS 182 Leadership in a Diverse Society**  
3 CR  
Critically examines culturally distinct philosophies of leadership and the challenge of mediating and merging differing leadership traditions in a multi-ethnic, pluralistic society. Special attention is paid to the history of culturally and ethnically diverse civic societies and contemporary American social issues of diversity, ethnicity and assimilation. The course also focuses on the challenges of exercising and responding to leadership in multicultural environments. **Prerequisite:** LS 200

**LS 200 Leadership Theory**  
3 CR  
This course explores numerous theories of leadership, ranging from those squarely in the "Leadership Studies" mode to implied theories of leadership in political, social, personal development and religious philosophies. Special attention is paid to the ways that individuals exercise—and respond to—power, influence and authority, in public and private settings.

**LS 210 Personal Leadership Style**  
3 CR  
Introduces students to analytical tools for evaluating their personal resources and opportunities for leadership and the habits of leadership and fellowship already present in their own personal lives. Topics include the relevance of leadership style to various social and professional environments and challenges; theories of leadership implicit in mentoring and personal development relationships; and the significance of leadership theory to family, community and professional goals. Students examine the ways in which they exercise—and respond to—power, influence and authority in public and private settings. **Prerequisites:** LS 100 and LS 200

**LS 220 Leader Practices**  
3 CR  
Focuses on the applications of leadership principles within organizational and community contexts. The concepts of leadership behavior and development are examined. Students develop a critical understanding of the practice of leadership. **Prerequisites:** LS 200 and LS 210

**LS 230 Leadership in a Global Environment**  
3 CR  
Critically studies leadership models from various nations and cultures. Students look carefully at the theories of leadership implicit in social, business and government practices and consider a number of theories of mutual cultural influence in the process of cultural change. The course examines the social forces that drive change, both locally and globally. A recurring theme of the course is a dialogue between those who believe in social relativism and those who believe in a single standard of social and human rights. **Prerequisites:** LS 200 and LS 210

**LS 232 Leadership and Technology**  
3 CR  
Explores the relationship between leadership and technology in a dynamically changing business environment. Through case studies, the student explores various analytical tools utilized by today's business leaders in the implementation of a technology. Emphasis is placed on how technology affects a leader's ability to develop and implement a business strategy. **Prerequisites:** LS 200 and LS 210

**LS 240 Leadership and Change**  
3 CR  
This course centers around theories of social and organizational change, ranging from classical philosophical and political texts to contemporary handbooks of social movements, and how-to guides for advancing change in business. Students also critically examine varieties of self-help and therapeutic practices in the light of leadership theories. At the center of the course is the question, How do leaders act as agents of change? **Prerequisite:** LS 200
LS 250 Ethics and Leadership  3 CR
Studies the ethics and moral content of leadership theories and techniques. Students participate in a broad consideration of the moral function of civil society, as well as examine the theories of leadership implicit in religious, political and social traditions. Other topics include the moral obligations of leaders and followers in various contexts, including government, education, family and community development. Prerequisite: LS 200

LS 255 Business Leadership  3 CR
A critical study of leadership theories as they apply to the workplace and the broader issues of business management and development. Special emphasis is placed on understanding practical techniques of business leadership in a critical context. Issues of global integration of markets, and the social dimensions of public and private sector policy decisions are also considered. Prerequisite: LS 250

LS 256 Community Leadership  3 CR
Examines the nature of leadership within community organizations, with special attention paid to the structure of community organizations and agencies ranging from the grassroots to the large national organizations, from rural to urban, and from long-standing traditional organizations to start-up social ventures. Special attention is paid to the implicit theories of leadership at the center of different types of community organizations and to the potentials for change outside the institutional shelter of organizations. Prerequisite: LS 250

LS 257 Church Leadership  3 CR
Examines the concept of servant leadership, specifically as it finds expression in charismatic, prophetic, pastoral and administrative forms within the Christian community. Special attention is given to the formative role of both the Hebrew Scriptures and the New Testament, as well as to the roles of professional ministers, charismatic individuals and the community itself as they relate to the exercise of leadership within various models of the Church.

LS 258 Educational Leadership  3 CR
Critically applies the issues of leadership in the context of our educational organization in our current social environment. The political, social and economic contexts of educational organizations are explored, as are the various leadership roles in education. Prerequisite: LS 250

LS 260 Biographies: Leadership in History  3 CR
Emphasizes historical examples of leadership, through biographies. Students study the lives of individuals in relation to theories of leadership, social change, personality development and historical context. Prerequisite: LS 250

LS 265 Leaders in Literature  3 CR
Following a case study approach, students examine leadership and leaders in classical and contemporary literature. Special attention is paid to the techniques that authors use to create environments and characters in their works and the ways that these techniques illuminate the values and the limitations of leadership.

LS 270 Executive Leadership  3 CR
Examines classical and contemporary ideas about how individuals lead large groups, especially in the social and political context. A review of business leadership theory, as well as principles of leadership drawn from political science and the study of social activism, is central to this course. Topics also include decision-making and communications skills, as well as decision and communications theory. The central concern of the course is the question, How do effective leaders lead, and what ideas about the nature of leadership help them do it?

LS 275 Women and Leadership  3 CR
Explores the relationship between leadership and gender, with special consideration given to the
question of whether women lead differently than men. Broad questions of social opportunities and personal development are considered in relation to gender and leadership theory. Other topics include gender and family roles, gender and community leadership, and the social effects of gender discrimination.

**LS 280 Leaders in Protest 3 CR**  
Considers the specific methods and accomplishments of protest leaders in the 20th century. Close attention is paid to the language of leadership in pursuit of social change and the assessments of the personal goals and philosophies of notable protest leaders. Students consider the relative successes and failures of protest leaders in the light of leadership theories, and examine the long-term impact of changes wrought by leaders of protest movements in this past century.

**LS 290 Entrepreneurial Leadership 3 CR**  
Examines concepts and leadership styles necessary to become a successful entrepreneur and small business owner. Students research and learn facets of entrepreneurialism such as market entry, skill requirements, feasibility study, financing requirements, staffing and operations. Students will conduct a research project interviewing existing entrepreneurs and small business owners to determine concepts and skills needed for success. Students prepare an entrepreneurial business plan based on an agreed business concept. The project and business plan are to be typewritten and spaced with appropriate margins for comments and notations.

**LS 300 Capstone: Leadership Seminar 3 CR**  
A capstone project in which students propose and carry out a significant leadership project. It includes preparing a bibliography, a theoretical context for the leadership project and a practical framework for measuring its success. The project also requires a clear articulation of the project's purpose, the people who will be affected by the project and a methodology for evaluating and refining the project as it unfolds. Finally, the project is reviewed by faculty and peers, and a final evaluation of the goals and achievements of the project is prepared by the students. **Prerequisites:** LS 110 and completion of all major courses

**LS 301 Capstone: Applied Research in Leadership 3 CR**  
A written and oral presentation of the final evaluation of the goals and achievements of LS 300. **Prerequisite:** LS 300

**Credit Certificate Programs**

Sacred Heart University offers credit certificate programs as a short-term goal and as a way to enhance students' knowledge and skills in a particular area. These programs provide specialized in-depth training and can be later applied to an associate or baccalaureate degree program. Programs available are: Administrative/Information Management, Computer Science, Financial Management, International Business, Information Technology, Marketing and Supervision.

**Certificate Program in Administrative/Information Management**

The certificate program in Administrative/Information Management prepares professionals to work in and manage an office productively. Individuals with business sense, organizational skills, management know-how, computer ability and communications expertise are in great demand. This course of study prepares individuals to work in positions as administrative support personnel, potential office managers, trainers and information personnel.

**Required Courses**

- BU 103 Business: Its Nature and Environment
- BU 201 Organization Management
- BU/CA 221 Business Communications
- CS 100 Introduction to Information Technology
- CS elective in consultation with department chair
*Work experience may be substituted for one of the five courses listed at the discretion of the appropriate faculty chairperson.

**Certificate Programs in Computer Science and Information Technology**

The Computer Science and Information Technology certificate programs provide a foundation for scientific use of computers and information technology applications. Students earn a certificate by completing six courses from either the regular computer science option or the information technology option, provided that the prerequisites are met.

**Computer Science**

CS 111 Introduction to Structured Programming  
CS 112 Data Structures  
CS 241 Advanced Programming Concepts Using "C"  
CS 312 Software Engineering  
CS 341 Analysis of Algorithms  
or  
CS 233 Visual Basic  
CS 366 Object-Oriented Programming (OOP) in C++

**Information Technology**

CS 101 Web Design and Visual Tools  
CS 102 Multimedia for Non-Majors  
or  
CS 331 Multimedia Applications  
CS 111 Introduction to Structured Programming  
CS 112 Data Structures  
CS 233 Visual Basic  
CS 368 Microsoft Windows NT

**Certificate Program in Financial Management**

Individuals wishing to pursue careers in finance or change career paths and move into financial positions benefit greatly from this uniquely designed certificate program. The course of study is also of value to those who hold jobs in finance but need more in-depth knowledge.

The curriculum is designed to develop knowledge and skills for professional positions in financial, corporate, governmental and nonprofit institutions. The certificate is earned by taking a series of five courses in Financial Management and related topics and earning a C or better in each course. Students who successfully complete two basic Accounting courses, such as AC 101 and AC 105, or their equivalent, are eligible. Each course can be taken for credit. Courses apply to certain associate degree programs, and can be applied toward a Bachelor of Science degree in Finance.

**Required Courses**

FN 215 Financial Management  
FN 251 Corporate Finance  
FN 314 Financial Analysis  
FN 315 Investments  
FN 316 International Financial Management

**Certificate Program in International Business**

This certificate program is designed to provide individuals with intensive training in the fundamentals of international business. Interested individuals who work in the international realm of business or who wish to prepare for positions in international business, as well as experienced individuals wishing to make career changes, may find this certificate extremely beneficial. Credits earned in this program can be applied to an associate or baccalaureate degree. The curriculum consists of five, three-credit courses, two of which are required, and three electives in the International Business area.

**Required Courses**

BU 201 Organization Management  
IB/BU 278 Principles of International Business

**Electives**

EC 303 Global Macroeconomics
EC 322 International Economics
EC 344 Comparative Economic Systems
FN 316 International Financial Management
EC/FN 386 Japan: The Economic and Financial System
IB/BU 203 Intercultural Management
IB/BU 233 International Business Law
IB/MK 264 International Marketing
IB/BU 302 Ethics and International Business Policy

Certificate Program in Marketing
This certificate program provides an opportunity to secure in-depth marketing knowledge and to apply these credits to a degree program in Business Administration.

The curriculum consists of five, three-credit courses, two of which are required, and three electives. Students who do not have at least three years of responsible business experience must take BU 201 (Organization Management) and BU 202 (Organizational Behavior) as prerequisites for the Marketing certificate program.

Required Courses
MK 261 Principles of Marketing
MK 262 Principles of Advertising

Electives
MK 263 Principles of Retailing and Merchandising
MK/IB 264 International Marketing
MK/SM 265 Sport Marketing
MK 286 Consumer Motivation
MK/LW 296 Marketing/Consumer Law
MK 299 Special Topics in Marketing
MK 361 Marketing Management
MK 362 Marketing Research

Certificate Program in Supervision
This unique certificate program is designed for individuals who supervise the operation of a department, unit or section, or for those intending to hold supervisory positions.

This program will enhance or develop the supervisory skills needed to operate effectively and efficiently in business. Whether students hold this type of position now or may someday be promoted to this capacity, they will develop the ability to comfortably interact with subordinates and supervisors and effectively perform supervisory functions.

Required Courses
BU 201 Organization Management
BU 202 Organizational Behavior
BU/CA 221 Business Communications
or
CA 131 Interpersonal Communication
HR 207 Management of Human Resources
HR/LW 236 Employee/Employer Law

Center for Corporate Education
The Center for Corporate Education is a freestanding division of University College at Sacred Heart University. The mission of the center is to partner with corporations, governmental entities and not-for-profit organizations, to (1) establish and maintain “corporate universities” and other means of fostering a continuous learning environment and the development and transfer of knowledge tied to business goals; (2) design and deliver training and development education programs through both in-person and distance learning methodologies; and (3) enhance their internal organizational and institutional capabilities through the provision of consulting and advisory services. In addition, the center serves the needs of the general public through open enrollment training programs and seminars.

Examples of services offered by the Center for Corporate Education:

- Partnership in the development, definition and implementation of a learning environment aligned to an organization’s strategy.
- Review and assessment of an organization’s technology-related learning environment.
- Curriculum development, implementation and assessment.
• Assistance in the development of a corporate university.
• Assessment and incorporation of technology-based training mediums and distance learning.
• Applied research.
• Management consulting and advisory services.
• Customized briefings, seminars and training programs.
• Public briefings/open enrollment seminars.
• Conference/meeting facilities.

For further information about the center and its services contact: Director, Center for Corporate Education, phone: 203-371-7834; fax: 203-365-7500.

Center for Professional Development at University College

The Center for Professional Development offers a variety of learning opportunities on a non-credit basis. To accommodate today's busy adult, programs are offered during evenings, weekends and weekdays. Classes, workshops and seminars are offered on the main campus and at the University's other facilities including the Derby and Stamford campuses.

The Center for Professional Development also provides customized on-site training for employers that is affordable, tailored to meet specific needs and conducted at the employer's convenience.

Course offerings are diversified and include topics in personal growth and enrichment, exploration of new interests, investigation of new careers, development of business networks, enhancement of job skills or development of new skills to enter a new field. New Professional Development classes, institutes, workshops and seminars are being developed constantly. The following list represents typical program offerings. Specific scheduling and information is available through University College at 203-371-7830 or toll-free in Connecticut at 1-888-SHU-EDU-1.

Professional Development Courses, Workshops and Seminars (non-credit, continuing education units are available)

Non-credit Certificate Programs

Administrative Assistant
Business and Interpersonal Communications
Computer
Customer Service
English as a Second Language
Gerontology
Human Resources
Interior Decorating and Design
Leadership
Management
Marketing Management
Sales and Marketing
Supervisory and First Line Management Skills
Travel Agent

Professional Development Programs

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<th>Position</th>
<th>Field</th>
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<td>Edward T. Chute</td>
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B.S., M.S., Southern Connecticut State College
<table>
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<th>Name</th>
<th>Title</th>
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<th>B.S.</th>
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<td>Edward J. Fox</td>
<td>Adjunct Instructor</td>
<td>Leadership Studies</td>
<td>Kent State University</td>
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<td>Jennifer M. Fox</td>
<td>Adjunct Instructor</td>
<td>Physical Therapy</td>
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<td>M.S. Sacred Heart University</td>
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<td>Carol A. Franks-Randall</td>
<td>Adjunct Assistant Prof.</td>
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<td>Thomas J. Fratini</td>
<td>Adjunct Instructor</td>
<td>Modern Foreign Languages</td>
<td>University of Maryland</td>
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<td>John W. Frazier</td>
<td>Adjunct Instructor</td>
<td>Management</td>
<td>Miami-Dade Junior College</td>
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<td>Mathieu J. Freeman</td>
<td>Adjunct Assistant Prof.</td>
<td>Chemistry</td>
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<td>Kristie Fresco-Hawes</td>
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<td>Lisa M. Gabriel</td>
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<td>Stanley J. Gaby</td>
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<td>Vincent J. Gaccione Jr.</td>
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<td>Joan Gallu</td>
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<td>Robert L. Gallagher</td>
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<td>Gary L. Gelmini</td>
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<td>Camela J. Gertner</td>
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<td>Toni L. Giannone</td>
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<td>Michael F. Giarratano</td>
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<td>Shelley Gibson</td>
<td>Adjunct Instructor Nursing</td>
<td>B.S., Southern Connecticut State University; B.S., Seton Hall University; M.S.N., Sacred Heart University</td>
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<td>Walter K. Gillen</td>
<td>Adjunct Instructor Mathematics</td>
<td>B.S., University of Notre Dame Ed.M., Ed.D., Harvard University</td>
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<td>A. William Gindra</td>
<td>Adjunct Instructor Management</td>
<td>B.S., Carnegie-Mellon University; M.S., University of Southern California; Ph.D., University of California, Los Angeles</td>
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<td>Cally Ginolfi</td>
<td>Adjunct Instructor English</td>
<td>B.A., Sacred Heart University; M.A., Fairfield University</td>
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<td>James Giordano</td>
<td>Adjunct Instructor Education</td>
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<td>Rebecca G. Giusto</td>
<td>Adjunct Assistant Professor Chemistry</td>
<td>B.S., Ph.D., University of Connecticut</td>
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<td>John B. Glad</td>
<td>Adjunct Instructor Accounting</td>
<td>B.S., Manhattan College; M.B.A., Iona College</td>
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<td>Jeffrey H. Gauss</td>
<td>Adjunct Assistant Professor Chemistry</td>
<td>B.S., University of North Carolina; M.S., Ph.D., University of Michigan</td>
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<td>Donna M. Godbout</td>
<td>Adjunct Instructor Physical Therapy</td>
<td>B.S., M.S.P.T., Ithaca College</td>
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<td>Robert R. Godfrey</td>
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<td>Christopher Godialis</td>
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<tr>
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<tr>
<td>Gregory J. Golda</td>
<td>Adjunct Instructor Media Studies</td>
<td>B.S., State University of New York; Buffalo; M.Ed., Pennsylvania State University</td>
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<tr>
<td>Christine Goldbach</td>
<td>Adjunct Instructor Art</td>
<td>B.A., Southern Connecticut State University</td>
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<tr>
<td>Sam R. Goldstein</td>
<td>Adjunct Instructor Management</td>
<td>B.S., School of Visual Arts</td>
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<tr>
<td>Paul G. Goldwater</td>
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<tr>
<td>Deborah E. Goodwin</td>
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<tr>
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<tr>
<td>Roopak W. Goswami</td>
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<tr>
<td>Robert J. Graham</td>
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<tr>
<td>Anne Granfield</td>
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<tr>
<td>Robert J. Graham</td>
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</tr>
</tbody>
</table>
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252 DIRECTORY
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<td>Mary E. Parker</td>
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<td>Physical Therapy</td>
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<td>Ph.D., Babes-Bolyai University of Cluj-Napoca, Romania</td>
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<td>Religious Studies</td>
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<td>B.A., Sacred Heart University</td>
<td>M.A.R., Yale University Divinity School</td>
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<td>Philosophy</td>
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<td>Mathematics</td>
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<td>M.A.T., Sacred Heart University 6th Year, C.A.S., Sacred Heart University</td>
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<td>Jean Podesta</td>
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| Joan Anne Pollack       | Adjunct Assistant Professor  | Social Work    | A.S., Housatonic College  
B.S., Sacred Heart University  
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<td>Robert Shook</td>
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<td>William Siderweck</td>
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<td>Sociology</td>
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<td>Sharyn J. Skeeter</td>
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<td>Media Studies</td>
<td>B.A., City College of New York M.B.A., Anna Maria College</td>
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<td>Elzbieta Skowron</td>
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<td>Modern Foreign Languages</td>
<td>Religious Culture Institute, Catholic University of Lublin M.Theol., Academy of Catholic Theology American Language Institute, New York University</td>
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<td>Susan D. Skrmetti</td>
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<td>Education</td>
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<td>Jacqueline de La Chapelle Skubly</td>
<td>Adjunct Assistant Professor</td>
<td>Modern Foreign Languages</td>
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<td>Mark W. Small</td>
<td>Adjunct Instructor</td>
<td>Music</td>
<td>B.A., University of Connecticut M.M., New England Conservatory</td>
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Sacred Heart University Campus, 5151 Park Avenue, Fairfield, Connecticut.

Entrance at Park Avenue only. Exits at Park Avenue and Jefferson Streets.

Check with guard at entrance on Park Avenue or Public Safety Office for parking permit.
**DIRECTIONS TO SACRED HEART UNIVERSITY**

**Main Campus, Fairfield, CT**
5151 Park Avenue, Fairfield, CT 06825-1000

From Merritt Parkway (Route 15) north or south
(passenger vehicles only)
Take Exit 47. At end of ramp turn left onto Park Avenue and proceed one block to Sacred Heart University. Entrance on Park Avenue.

From Connecticut Turnpike (I-95) north or south
(passenger vehicles only)
Take Exit 27A. Continue straight ahead on combined Routes 8 and 25 to fork. Bear left onto Route 25. Take Exit 7, Merritt Parkway south, and follow directions above.

**Stamford Campus**
12 Omega Drive, Stamford, CT 06907

From Merritt Parkway (Route 15) north or south
(passenger vehicles only)
Exit 36. Turn right. Go 2 miles; take a right at the light onto Camp Street. At the next light turn left onto Hope Street. Entrance to River Bend Park is on the left past the Springdale train station. Follow signs to first office building on right.

From Connecticut Turnpike (I-95) north or south
(all vehicles)
Exit 9. Follow Route 106/Courtland Avenue to Glenbrook Road; turn left. At second light turn right onto Hope Street. Continue past United Wrecking and through next light to the second River Bend entrance; on right just before the Springdale train station. Follow signs to first building on right.

**Oakview Location**
101 Oakview Drive, Trumbull, CT 06611

From Connecticut Turnpike (I-95) north or south
(all vehicles)
Take Exit 27A (Route 25/8 Connector) and follow signs for Route 25 (bear left when the connector splits). Just after the split, get off at Exit 7. (Merritt Pkwy/Route 127 Trumbull). Bear right, following signs for Route 127 (White Plains Road). At the end of the exit ramp, turn left onto White Plains Road.

From Merritt Parkway southbound
(passenger vehicles only)
Take Exit 56 (Route 127/White Plains Road). At end of ramp bear right onto White Plains Road.

**Stay in the left lane for about 1 mile on White Plains Road and turn left at the traffic light (fire station on the right) onto Reservoir Avenue.**
Follow Reservoir Avenue (go under Parkway bridge) and turn right onto Lindeman Drive. At the stop sign at the end of Lindeman Drive, turn right onto Oakview Drive. The road dead-ends. Sacred Heart University's driveway is on the left. Visitor parking is on the right.

From Merritt Parkway northbound
(passenger vehicles only)
Take Exit 48 (Main Street). At end of ramp turn right onto Main Street. At second traffic light, turn left onto Old Town Road. At second stop sign, turn left onto Oakview Drive (beginning of office park area). At top of hill, Oakview will dead-end. Turn left into Sacred Heart University's parking lot. Visitor parking is on the right.