University Telephone Numbers

Academic Affairs and Provost 203/371-7910
Alumni 203/371-7861
Bookstore 203/365-4768
Campus Ministry 203/371-7840
Career Center 203/371-7975
Cashier’s Office 203/371-7923
College of Arts and Sciences 203/396-8020
College of Business 203/396-8084
College of Education and Health Professions 203/396-8024
Counseling Center 203/371-7955
Credit and Collection 203/371-7947
Development 203/371-7964
Health Services 203/371-7838
Human Resources 203/365-7633
Institutional Advancement 203/371-7860
Jandrisevits Learning Center 203/371-7820
Library 203/371-7700
President 203/371-7900
Public Relations 203/371-7970
Public Safety 203/371-7995
Registrar 203/371-7890
Residential Life 203/365-7511
Stamford/Danbury Campuses 203/323-4959
Student Accounts 203/371-7925
Student Activities 203/365-7675
Student Financial Assistance 203/371-7980
Switchboard 203/371-7999
Undergraduate Admissions 203/371-7880
University College 203/371-7830
Valley Programs (Derby and Shelton) 203/371-7948
Welcome from the President

Dear Undergraduate Student:

Welcome to Sacred Heart University, one of the fastest growing universities 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 a program that will meet your needs in this catalog.

One of our primary goals at the University is to implement comprehensive expansion plans that will benefit our students and alumni as we move into the new millennium. You will see evidence in every area of the University of our continuous efforts to improve our academic offerings and service to you by adding courses, majors and concentrations; by improving our use of technology; by strengthening our financial base; and by enhancing our physical plant facilities.

At Sacred Heart University we strive to foster a sense of social responsibility and of compassion so that, both while you are here and after you complete your studies, you will be motivated to use your knowledge and talents on behalf of the wider community through service to others, especially the poor. In addition, we will encourage you to fall in love with learning so that you will continue to pursue knowledge long after you have left here. In support of that ideal, we offer numerous graduate programs as well as noncredit and continuing education unit (CEU) courses.

Sacred Heart University is genuinely committed to being a place “where personal attention leads to personal achievement.” 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 welcoming you and 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
### ACADEMIC CALENDAR 1998-2000

#### Fall Semester

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<thead>
<tr>
<th>Event</th>
<th>Fall 1998</th>
<th>Fall 1999</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day—No classes</td>
<td>Mon., Sept. 7</td>
<td>Mon., Sept. 6</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Tues., Sept. 8</td>
<td>Tues., Sept. 7</td>
</tr>
<tr>
<td>AHEAD Term 1 Begins</td>
<td>Tues., Sept. 8</td>
<td>Fri., Oct. 9</td>
</tr>
<tr>
<td>Last day to withdraw without penalty</td>
<td>Fri., Oct. 9</td>
<td>Sun.—Tues., Oct. 11–13</td>
</tr>
<tr>
<td>Faculty Institute Day a</td>
<td>Tues., Oct. 13</td>
<td></td>
</tr>
<tr>
<td>Last Day to complete work for Spring and Summer sessions</td>
<td>Tues., Oct. 20</td>
<td>Tues., Oct. 19</td>
</tr>
<tr>
<td>AHEAD Term 1 Finals</td>
<td>Mon.—Tues., Oct. 26–27</td>
<td>Mon.—Tues., Oct. 25–26</td>
</tr>
<tr>
<td>AHEAD Term 2 Begins b</td>
<td>Mon., Nov. 2</td>
<td>Mon., Nov. 1</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>Wed.—Sun., Nov. 25–29</td>
<td>Wed.—Sun., Nov. 24–28</td>
</tr>
<tr>
<td>Final Exams</td>
<td>Tues.—Sat., Dec. 15–19</td>
<td>Tues.—Sat., Dec. 14–18</td>
</tr>
<tr>
<td>AHEAD Term 2 Finals</td>
<td>Mon.—Tues., Dec. 21–22</td>
<td>Mon.—Tues., Dec. 20–21</td>
</tr>
</tbody>
</table>

#### Spring Semester

<table>
<thead>
<tr>
<th>Event</th>
<th>Spring 1999</th>
<th>Spring 2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Luther King Day—No classes</td>
<td>Mon., Jan. 18</td>
<td>Mon., Jan. 17</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Tues., Jan. 19</td>
<td>Tues., Jan. 18</td>
</tr>
<tr>
<td>President’s Day—Classes held</td>
<td>Mon., Feb. 15</td>
<td>Mon., Feb. 14</td>
</tr>
<tr>
<td>Last day to withdraw without penalty</td>
<td>Mon., Feb. 22</td>
<td>Mon., Feb. 21</td>
</tr>
<tr>
<td>Mid-term Exams</td>
<td>Mon.—Sat., Mar. 1–6</td>
<td>Mon.—Sat., Feb. 28–Mar. 4</td>
</tr>
<tr>
<td>Last Day to complete work for Fall session</td>
<td>Fri., Mar. 5</td>
<td>Fri., Mar. 3</td>
</tr>
<tr>
<td>AHEAD Term 3 Finals</td>
<td>Wed.—Thurs., Mar. 3–4</td>
<td>Wed.—Thurs., Mar. 1–2</td>
</tr>
<tr>
<td>AHEAD Term 4 Begins</td>
<td>Mon., Mar. 15</td>
<td>Mon., Mar. 13</td>
</tr>
<tr>
<td>Spring Break</td>
<td>Sun.—Sun., Mar. 7–14</td>
<td>Sun.—Sun., Mar. 5–12</td>
</tr>
<tr>
<td>Easter Break c</td>
<td>Wed.—Tues., Mar. 31–Apr. 6</td>
<td>Wed.—Tues., Apr. 19–25</td>
</tr>
<tr>
<td>Faculty Institute Day a</td>
<td>Tues., Apr. 6</td>
<td>Tues., Apr. 25</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>Mon., May 10</td>
<td>Mon., May 8</td>
</tr>
<tr>
<td>AHEAD Term 4 Finals</td>
<td>Wed.—Thurs., May 5–6</td>
<td>Wed.—Thurs., May 3–4</td>
</tr>
<tr>
<td>Study Day and Final Exams d</td>
<td>Tues.—Tues., May 11–18</td>
<td>Tues.—Tues., May 9–16</td>
</tr>
<tr>
<td>Commencement Weekend</td>
<td>Sat.—Sun., May 22–23</td>
<td>Sat.—Sun., May 20–21</td>
</tr>
</tbody>
</table>

a. No day classes  
b. One night per week classes will begin on prior Wednesday  
c. Undergraduate classes resume on the Tuesday after Easter at 4 pm  
d. Final exams begin on Tuesday at 4 PM  
e. No undergraduate classes day or evening on Tuesday after Columbus Day
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 and, to the extent permissible by law, expressly disclaims any liability which 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 which creates division, to promote behavior which 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.
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The University
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 which 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 achievements 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 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

The University is a member of these national and regional associations:
American Alliance of Health, Physical Education and Recreation
American Assembly of Collegiate Schools of Business
American Association for Paralegal Education
American Association of Adult Continuing Education
American Association of Colleges of Nursing
American Association of Collegiate Registrars and Admissions Officers
American Association of Collegiate Schools and Programs
American Association of University Professors
American College of Sports Medicine
American College Personnel Association
American Council on Education
American Library Association
American Mathematical Society
American Psychological Association
Association for Computer Machinery
Association for Continuing Higher Education
Association of American Colleges and Universities
Association of Baccalaureate Social Work Program Directors
Association of Catholic Colleges and Universities
Association of College and Research Libraries
Association of College and University Housing Officers International
Association of College Unions International
Association of Collegiate Business Schools and Programs
Association of Departments of English
Association of Governing Boards
Association of Graduate Programs in Ministry
Association of International Educators
Association of University Programs in Health Administration
Catholic Campus Ministry Association
Chief Administrators of Catholic Education
College and University Personnel Association
College Art Association
College Consortium for International Studies
College Entrance Examination Board and Scholarship Service
Connecticut Association of Colleges and Universities for Teacher Education
Connecticut Business and Industry Association
Connecticut Conference of Independent Colleges
Connecticut Council on Higher Education
Connecticut World Trade Association
Council for Advancement and Support of Education
Council of Graduate Schools
Council of Independent Colleges
Council on Social Work Education
Eastern College Athletic Conference
Institute for European Studies/
Institute for Asian Studies
Institute for International Education
International Consortium of the National Council of Teachers of English
International Federation of Catholic Universities
Library Administration and Management Association
Library Information Technology Association
Mathematical Association of America
Modern Languages Association
National Association for Developmental Education
National Association of Campus Activities
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
National Association of Foreign Student Advisors
National Association of Graduate Admissions Professionals
National Association of Independent Colleges and Universities
National Association of International Educators
National Association of Schools of Art and Design
National Association of Social Workers
National Association of Student Financial Aid Administrators
National Association of Student Personnel Administrators
National Catholic Educational Association
National College of Sports Medicine
National Collegiate Athletic Association
National Continuing Education Association
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 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, fos-
tering 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 a quality education at a local Catholic university. From its outset the University bore the mark of innovation. Embodying 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 southwestern Connecticut.

Signs of the University’s growth are self-evident. The student population, for example, has risen from its original class of 173 students in 1963 to more than 5,600 full- and part-time students in Fall 1996. Correspondingly, the faculty has increased from 9 to more than 300. This remarkable growth in such a relatively short period is often attributed to the development of new degree programs and majors in relevant disciplines. And, as this catalog goes to press, more new programs are being planned. One of the University’s most significant contributions to the community is its commitment to continuing education and the lifelong learner. Its evening and accelerated course offerings earn praise for their diversity and relevance to the learning process in higher education.

The University was divided into four colleges in 1997:

- College of Arts and Sciences
- College of Business
- College of Education and Health Professions
- University College

The administration, faculty, students and staff, who are an integral part of the University community, are proud to carry forward the founder’s vision and the institution’s mission.

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, Danbury and Lisbon, Connecticut. The University also offers the only academically accredited Master of Business Administration program offered in The Grand Duchy of Luxembourg.

Main Campus, Fairfield

Full-Time Admissions
Sacred Heart University
5151 Park Avenue
Fairfield, CT 06432-1000
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 06432-1000
203-371-7830
FAX: 203-365-7506
E-mail: ucce@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 27 majors in the areas of liberal arts, business, and professional studies. Candidates seeking an Associate degree can choose from among 24 major concentrations. Master’s degree programs are offered in the fields of business administration (M.B.A.), chemistry (M.S.Ch.), computer and information science (M.S.C.I.S.), Family/Nurse Practitioner (M.S.N.), nursing administration (M.S.N.), physical therapy (M.S.P.T.), religious studies (M.A.R.S) and teaching (M.A.T.). Professional certificates (Sixth Year) in administration and advanced teaching also are offered. A post-master’s professional certificate is also available in Family/Nurse Practitioner.

Graduate study at Sacred Heart attracts a growing number of area men and women as well as a full-time population from around the nation and the world who seek learning experiences apart from the degree-granting programs, courses which provide cultural enrichment, intellectual growth and career development.

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

Visit our Web Site at www.sacredheart.edu
Admissions
Admissions

Admissions Process for Full-Time Study

The Office of Undergraduate Admissions coordinates the admission of prospective students 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

Candidates 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 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 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, available from the Coordinator of International Admissions. The supplement includes requirements for proficiency in the English language (i.e., TOEFL—Test of English as a Foreign Language), 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 Admission basis.

Early Decision Program

Students who consider Sacred Heart University their first choice and have demonstrated above-average academic performance may apply under the Early Decision Program. The deadline for Early Decision candidates to submit a completed application is December 11. An admission decision will be sent no later than the last week of December. Students accepted to the University under the Early Decision Program are required to submit their nonrefundable acceptance deposit no later than January 15. Students not accepted through the Early Decision Program automatically will be considered through the traditional decision process.
Rolling Admissions Process

All other candidates for admission will be evaluated through the Rolling Admissions process. The Admissions Committee notifies candidates of an admission decision three weeks after an applicant's file is complete. Decision letters 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 accepted to 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 Ave.
Fairfield, CT 06432-1000
Telephone: 203-371-7880
Fax: 203-365-7607

Admissions Process for Part-Time Study

All part-time day and evening undergraduate students, accelerated undergraduate degree, weekend university and summer school students are admitted through University College.

The procedure for admission to part-time study in undergraduate degree programs, including AHEAD and Weekend University, is:
1. Complete a part-time application form and return it to University College with the appropriate fee.
2. Have an official high school and/or college transcript(s) sent to University College.
3. Make an appointment with a counselor in University College to discuss the appropriate academic curriculum and course offerings.

Admissions decisions will be made when the above items are completed. A student may enroll as a "special in-process student" before completing the formal admissions process.

Students wishing to matriculate for a degree program must complete the above procedure before completing 12 credits. An application fee is required for degree candidates.

Correspondence should be directed to:
University College
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: 203-371-7830
Fax: 203-365-7500

University College also is responsible for the undergraduate and non-credit courses that are offered at satellite campuses in Danbury, Derby, Shelton and Stamford, Connecticut. Courses may also be offered at other public locations or on-site at a business office.

The AHEAD Program

AHEAD (Adults in Higher Education Working for Accelerated Degrees) is an accelerated degree program in Business Administration, International Business and Finance designed for the busy adult. The program offers a short-term schedule of evening classes with the possibility of cutting degree completion time in half. Classes are offered at several locations.
Application and admission is through University College as outlined above.

**Weekend University**

Sacred Heart University offers undergraduate courses in the Associate and/or Baccalaureate core curriculum on alternating weekends for students preferring weekend classes. Classes meet every second weekend. An accelerated option is also available for students interested in attending every weekend. Students can complete nine 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 Admissions Office at 203-371-7880 for information. Senior citizens should contact University College at 203-371-7830 for more information.

**Adult Accelerated Degree Program in Leadership Studies**

The University College has developed a new degree program for adult learners. Beginning in September 1998, the program will be based on the emerging theories of Adult Learning. It will offer an interdisciplinary degree which focuses on the area of leadership in an accelerated format to working adults.

**Transfer, Advanced Placement and College Equivalent Credit**

**Transfer Credit**

Credit is awarded for courses which carry grades of C- or better and which 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

ACT-PEP, CLEP and DANTES

These are national programs awarding college credit by examination. 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. College credit is awarded when a student successfully passes an exam at the 50 percentile.

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 ACT-PEP exams, but does not administer these exams.

Since exam results usually take two weeks to be reported, 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 ACT-PEP challenge exams in Anatomy and Physiology I and II, and the National League for Nursing (NLN) challenge exams in Microbiology and Normal Nutrition. 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 its rigor. A student awarded the International Baccalaureate Diploma will be granted the option of sophomore standing and will have his/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/she will receive 6-8 credits per examination (depending on the Sacred Heart 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 which 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 University 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 which 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 will be 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 in the classroom. No more than 60 credits can be awarded for prior learning and CLEP, DANTES and ACT-PEP, 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, 203-371-7830.
Expenses and Student Financial Assistance

Tuition and Fees

Academic Year 1998-99

Full-Time Student
(12–18 credits)* $6,986/semester

*Includes nonrefundable $55 Registration Fee

Overload
(19 or more credits) $480/credit

CHC Health Service Fee $20/semester

Health Insurance Fee** $346 per year

2nd semester students $212
(entering January 18, 1999)

**(Mandatory for International Students.) 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.

Room and Board

Room $2,420/semester

19 Meals/Week $1,015/semester

14 Meals/Week $989/semester

10 Meals/Week $813/semester

Part-Time Student

Tuition (1-11 credits) $295/credit

Registration Fee (nonrefundable) $55/semester

AHEAD Student

Tuition $295/credit

Registration Fee (nonrefundable) $30/term

AHEAD Deferred Payment Plan Fee $17/semester

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

Other Fees

Audit $390/course

Auditors Registration Fee (nonrefundable) $55 per semester/term

Add/Drop $5/change

Deferred Payment Plan Fee $39/semester

Graduation $85

Lab (per course) $55-$95/course

Legal Research Fee $34/course

Late Registration Fee $55

Orientation Fee (Full-Time) $115

Physical Therapy Fee $173

Private Music Lessons

MU 131 (1 credit) $170
MU 132 (2 credits) $300

Rejected Credit Card Fee $25

Returned Check Fee $25

Student Teaching Fee $110 per semester

Taste of College (17/62 Program)
(Maximum 6 credits) $135/course

Transcript*** $5/transcript

Transfer Orientation Fee $30

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

Charges listed on the registration statement are subject to audit and do not constitute an official bill.
Eligibility for AHEAD Program

Tuition and Fees

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, Stamford, Danbury 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, 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 tuition costs when two or more individuals from the same family are enrolled at the University. Each student must take at least 12 credits during the period of the award.

Family discount forms must 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 covered by health insurance already, 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 or 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 deferred payment plan must provide authorization in writing with each payment due. A $25 fee will be charged if your credit card number is rejected, incomplete or inaccurate.

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. It is located in the Campus Center, Room 1B.

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.
Deferred Payment Plan Options

The University offers a five-month deferred payment plan for students with three or more credits. A $39 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.

There is a payment plan available for the summer session.

For further information about the deferred payment plan, contact the University’s Student Accounts Office at 203-371-7925.

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 Office of the Assistant Vice President for Academic Affairs and University Registrar.

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 of 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

A statutory pro rata refund applies to any student who is a recipient of federal financial aid funding (Title IV) and who is attending school for the first time and leaves the school on or before the 60 percent point in the enrollment period for which he or she has been charged.

If the statutory pro rata does apply, the University will compare its institutional refund policy to the refund policy de-
scribed in the Federal Student Financial Assistance General Provisions and make the larger refund of the two.

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 a citizen or permanent resident of the United States and are enrolled in the University on at least a half-time basis (6 credit hours per semester).

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 student full-time undergraduate 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);
   - 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.

4. Transfer students may need to submit Financial Aid Transcripts (FAT) from all or some of the post-secondary institutions attended. It is recommended that transfer students call the Office of Student Financial Assistance and check the status of their application.

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 $3,000 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.
Federa1 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 six 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.

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 Scholastic Achievement Grant (CSAG)

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 per-
cent 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 Community Service Program**

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

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**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 23 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 are given $9,000 per academic year.

**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 are awarded $3,000 to $6,000 per academic year.

**Curtis Community Achievement Award**

Entering first year, full-time undergraduates who are Connecticut residents and commuting 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 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 3.5 GPA to receive the scholarship. Annual re-
newal 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 Assistants (CLA), Resident Assistants (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 are offered in varying amounts to academically worthy students by private organizations, corporations and individuals. At the time of publication of this catalog, the scholarships described below 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 premed 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, 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 member of the University community, is
available to undergraduates majoring in accounting or business. It is based on the student’s academic excellence or need.

**Brooks Memorial Scholarship**
An award for any student who demonstrates academic excellence and financial need. The scholarship was established in the memory of Dr. John W. Brooks, a member of the math and computer science faculty at Sacred Heart University.

**Scott Browning Memorial Scholarship**
This scholarship was established by James Browning and his parents in memory of his brother and their son, Scott Browning. Preference is given to a full-time undergraduate student majoring in computer science and/or a qualified incoming freshman from Notre Dame High School in Fairfield, Connecticut.

**Bullard Scholarship**
This scholarship, established by the Bullard Company, is given to a full-time business major.

**Class of 1994 Endowment**
This scholarship, founded by the senior class of 1994, is designed to recognize a student entering his/her senior year who has made contributions through community service.

**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.

**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.

**The Institute for the Study of Women Scholarship Program**
Sponsored by the friends of Sharon K. Kells, a member of the University’s Board of Regents, and facilitated by the University’s Institute for the Study of Women, this scholarship honors outstanding women. The recipients must be full-time female undergraduates who will be selected on the basis of scholastic achievement, economic disadvantage and/or minority status. The recipient(s) must be a Women’s Studies minor or a prospective
minor. The institute nominates female candidates annually who meet the criteria for the scholarship(s).

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

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

**John Katona Memorial Scholarship**
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.

**John J. and Stella M. Kraieski Memorial Scholarship**
Awarded to an academically talented 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 the 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 son or daughter of a member.

**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 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.

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.

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.

Allyson Rioux Memorial Scholarship
This scholarship is awarded to a student athlete in memory of Allyson Rioux, an athletic coach.

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.

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 the senior year. Recipient must demonstrate academic excellence with a GPA of 3.4 or better and exemplary character.

Sacred Heart University/ National Italian-American Foundation Matching Scholarship
This scholarship is awarded to a deserving undergraduate student of Italian-American descent.
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 (1898-1968) 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
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 cocurricular and extracurricular programming. The University’s goal is to provide the support services and life skills which 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.

Campus Ministry

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

Campus Ministry responds to student needs for worship, integration, reflection time, 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, and other interfaith worship and prayer opportunities are provided regularly.

Career Development

Career Development assists students with life planning, from exploring potential study majors to locating a job during their senior year. Professional staff members in Career Development work with students to assess abilities and interests in the career-planning phase.

Career Development works with students to locate internship and cooperative educational opportunities as well as part-time or summer employment. Formal job placement workshops and assistance are provided throughout the final year and after graduation as well.

For additional information about Career Development, call 203-371-7975.

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 Commuter 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 two professional counselors who are available weekdays for individual, personal counseling sessions.

Many personal development workshops are offered by the Counseling Services 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. Various meal plans are available through the Dean of Students Office for all members of the campus community. There are three separate meal plan options available to all students, commuters and residents, as well as a dining dollars plan which acts as a credit card for the food service. 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 through 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 (6 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, 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 also can make referrals to local health care facilities and has an arrangement with a local pharmacy which will 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.

If there are any questions, please call the University’s Health Services Office, 203-371-7838, or stop by the lower level of the Park Avenue House.

Intercollegiate Athletics

The University has a strong commitment to its regionally and nationally recognized athletic program. Pioneer athletics, which will advance from the Division II level to Division I in 1999–2000, has undergone significant expansion in the past seven years to reach its present state of 33 varsity teams and 11 junior varsity teams in 1998–99. Intramural opportunities are also available to those students not competing at the intercollegiate level. In addition, a year-round series of intramural activities is available to all University students.

The University offers students and intercollegiate teams use of the modern and fully-equipped William H. Pitt Health and Recreation Center. For more details see the section on University Facilities.

Men’s Varsity Sports

- Baseball
- Basketball
- Bowling
- Crew
- Cross Country
- Fencing
- Football
- Golf
- Ice Hockey
- Lacrosse
- Soccer
- Tennis
- Track and Field (Indoor)
- Track and Field (Outdoor)
- Volleyball
- Wrestling

Women’s Varsity Sports

- Basketball
- Bowling
- Crew
- Cross Country
- Equestrian
- Fencing
- Field Hockey
- Golf
- Ice Hockey
- Lacrosse
- Soccer
- Softball
- Swimming
- Tennis
- Track and Field (Indoor)
- Track and Field (Outdoor)
- Volleyball

International Students

The University provides academic and social support to its growing number of international students. The International Student Life Office 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 Foreign Language Program (EFL), 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 also is 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 Student Services. 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 Student Services 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

The Department of Public Safety is committed to fostering an environment in which all those who live, study, work or visit 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, 7-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), 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 from 8 AM to 3 PM.

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 Residential Life and Housing Services.
The University currently houses students in six different areas: South Hall, West Hall, Jefferson Hill, Taft Commons, Park Ridges Apartments 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 condominiums.

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
Biology Club (AIBS)

Business Club
Chemistry Club (ACE)
Computer Science Club
Criminal Justice Club
Debate Society
English Club
Finance Club
Honors Society
Lambda Alpha Phi (Paralegal Club)
Media Club
Philosophy Club
Physical Therapy Club
Political Science Professional Fraternity
Premedical Society
Psychology Club
Respiratory Therapy Club
Social Work Student Organization
Sports Medicine Club
Student Nurses Club

Band, Music, Drama and Dance
Dance Team
Jazz Band
Marching Band
Pep Band
SHU Players
University Chorale
Winterguard

Fraternities and Sororities (local)
Beta Delta Phi
Delta Phi Kappa
Kappa Phi
Lambda Sigma Phi
Nu Epsilon Omega
Omega Phi Kappa
Phi Omega Tau
Sigma Delta Chi

Intramural and Recreational Sports
Cheerleaders
Intramural Sports Board
Karate Club
Outdoors Club
Men's Rugby
Women's Rugby
Multicultural Organizations
International Students Club
Italian Club
Jewish Friendship Organization
La Hispanidad
UJAMMAA (Black Heritage Club)

Political Clubs
College Republicans
Young Democrats Club

Service Clubs/Organizations
Amnesty International
Best Buddies
Big Brothers/Big Sisters
Circle K
Habitat for Humanity
People Effectively Achieving Community Efforts (PEACE)
Students Against Drunk Driving (SADD)
Student Ambassadors

Student Media
Horizons Literary
Prologue Yearbook
Spectrum Newspaper
WHRT—FM Student Radio

Student Government
The Student Government is the parent organization to all student groups on campus. It is comprised of:
Executive Board
Student Senate
Program Board
Council of Clubs and Organizations
Finance Board
Campus Life Board
Class Officers

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.

Other student governing organizations include:

Commuter Council
National Residence Hall Honorary
Residence Hall Association

Student Union
Another area in the Department of Student Life is the Student Union Office. Many of the non-academic services provided by the University are facilitated by the Student Union including:
Shuttle Service;
Room/facilities reservations;
Student ID cards;
Student Handbook;
Game Room (Hawley Lounge);
and Class ring sales.

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 rehearsal and public performance of modern arrangements that feature the best of America’s entertainment music.

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 the Hawley Lounge.


Student Activity

The Student Activity Center is the place to be! Whether you're looking for a quiet study spot or a place to hang out with friends, the SAC has got you covered. With a variety of study rooms, a computer lab, and comfortable seating, you can find the perfect spot to get your work done or just relax.

But that's not all! The SAC also hosts a range of events throughout the year. From movie nights and game tournaments to workshops and guest speakers, there's always something fun happening. So why not stop by and see what's going on today?

Information

For more information about the Student Activity Center, visit the SAC website or stop by during business hours.

Student Activity Center

123 Main Street
Anytown, USA 12345

Phone: 555-1234

Website: stuma.indu.edu/sac
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 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 3 buildings: Science Center, Humanities Center and Center Area.

The Science Center includes offices of the Vice President for Academic Affairs, 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, Physical Therapy and Occupational 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, Modern Foreign Language, Psychology, Sociology and Social Work.

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

Administration Building

The Administration Building houses the Media Studies facilities, Office of the President, Vice President of Business Affairs, University College Offices, Director of the MBA Program, Dean of College of Business, Dean of University College and faculty offices for Accounting, Business, Economics, Finance, History, Media Studies, Philosophy and Religious Studies.

Additional administrative offices, including Institutional Advancement, Public Affairs and Business Offices are housed off campus.

Curtis Hall

The 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 the Center.

Jandrisevits Learning Center (JLC)

The Jandrisevits Learning Center is located in the lower level of the Ryan-Matura Library. An Adaptive Technology Lab is avail-
able for students with visual, auditory, physical or learning disabilities. The JLC also provides specialized tutoring for students with learning disabilities (LD) as well as for students who are linguistically diverse (EFL). 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.

Park Avenue House

The offices of Mission and Planning, Institutional Research, Personal Counseling 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

Sacred Heart University’s commitment to athletics is further on display with the addition of the $17.5 million William H. Pitt Health and Recreation Center which opened in the Fall of 1997. The Pitt Center features a four multi-purpose court area which can be used for basketball, volleyball and tennis. It will also serve as the main arena for the men’s and women’s basketball team with a seating capacity of 2,200. The center also houses the athletic department offices as well as classrooms and a physical therapy clinic. In addition, the facility has expanded space for the athletic training department, an upscale fitness center (treadmills, steppers, exercise bikes, selectorized equipment, free weights, an aerobics room and a fencing and wrestling room).

Outside the Pitt Center improvements in the form of a new grandstand, press box and field communication system were installed. In the summer of 1993 the University installed a $1.3 million synthetic surface multi-purpose athletic field and running track. The field is marked with inlaid lines for six athletic teams: football, men’s and women’s soccer, field hockey and men’s and women’s lacrosse, and is used by various recreational programs. Six state of the art tennis courts and a new softball field were installed in September 1995.

Ryan-Matura Library

The Ryan-Matura Library is the place to go for information, whether it is for 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 to use these resources. All the workstations have user-friendly software that both speeds up and simplifies the research process.

The CARL online public catalog provides access to books in this library and to the books in all other CARL libraries around the country, including Hawaii. The catalog can be accessed from outside the library via the Internet. There are separate online search services to libraries throughout the world and to commercial databases.

Periodicals and periodical indexes including newspapers are found in paper, film and
CD-ROM format. There are a number of workstations used exclusively for accessing periodicals.

Any book or periodical not found in the Ryan-Matura Library can be obtained from another library or a commercial service. Quick service for periodical articles is provided via fax.

At present the Ryan-Matura Library holds 172,500 print volumes; 81,300 non-print items including AV; 1,700 periodical subscriptions including those on CD-ROM; 17 CD-ROM periodical indexes with full-text journals; 6 multimedia reference works; and 4 online search systems.

The library also houses the Jandrisevits Learning Center, offices for the Institute for Religious Education and Pastoral Studies and the Schine Auditorium.

Residence Halls

The University currently houses students in six different areas: South Hall, West Hall, Jefferson Hill, Taft Commons, Park Ridge Apartments 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 condominiums.

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 Center for Christian-Jewish Understanding 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. For example, the Center is sponsoring a series of forums to discuss the new universal catechism of the Catholic Church.

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.
Center for Performing Arts
The Center for the Performing Arts has as its mission to serve as a central cultural resource for Southern Connecticut. The Center produces five musical productions each year with its resident professional theatre company joined by qualified student performers. More than just a theatre, the Summer Cabaret Workshop annually draws hundreds of area children for its two three-week theatre camp programs. The Technical Theatre Education Program, a collaboration between the Center, the town of Stratford and the International Alliance of Theatrical Stage employees will accept its first students in January 1999. In recent years, special events at the Center have included appearances by Alicia De Larrocha, Julie Harris, James Earl Jones and James Naughton, among others.

Center for Policy Issues
The Center for Policy Issues was established in 1980 with a special mission to serve the people of Connecticut. The Center fulfills this mission through conferences, forums, symposia, and other activities focusing on public issues of regional interest with primary legislative implications. Major outside associations and groups, along with University components, are involved in these activities.

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. Gallery Hours are Sunday 12 to 4 PM and Monday through Thursday 12 to 7:30 PM.

The Gallery also administers the University’s Collection, the Sculpture on the Grounds Program and the Voluntary Percent for Art Program. For further information, 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 co-sponsoring, 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 203-365-7543.

Institute for Religious Education and Pastoral Studies (REAPS)
The Institute for Religious Education and Pastoral Studies (REAPS) provides laity, clergy and religious with opportunities for professional training and personal growth related to religious education, pastoral studies and other chosen fields of ministry.
REAPS currently sponsors 35 distinct programs at ten different sites throughout the state of Connecticut. The offerings of the Institute range from non-credit courses to graduate and certificate programs. Seminars, lectures and workshops on topics of special interest are also available throughout the year. In addition, the Institute prepares individuals for Church-related educational and catechetical positions through graduate-level, group and individual learning experiences.

The REAPS offices are located on the upper level of the Ryan-Matura Library. The Institute’s director can be reached by phone at 203-371-7867, on e-mail at REAPS@sacredheart.edu or by FAX at 203-365-4798.

Radio Stations

The professionally operated WSHU-FM, located in Jefferson House, is a 20,000-watt station at 91.1 (FM). The station is qualified by the Corporation for Public Broadcasting and is a recognized member of National Public Radio, one of only two such stations in Connecticut and 312 nation-wide. WSHU-FM offers classical music, news and public affairs to listeners of Fairfield County, Connecticut, and parts of Long Island, New York. WSHU operates five 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 WMMM (AM) at 1260, a 1,000 watt standard broadcast station in Westport, Connecticut.

Student-run WWPT, a 390-watt station at 90.3 FM, 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 the radio stations serve as learning laboratories for Media Studies and other disciplines.

SHU-String Community Music Center

The SHU-String Community Music Center provides non-credit music instruction for students of all ages, grade school through adults. Private lessons in violin, viola, cello, double bass, classical and popular guitar, recorder, voice and piano are offered, as well as classes for preschoolers and computer-assisted music. The faculty, some of whom are also University music faculty, are all outstanding artist-teachers. The Center provides an opportunity to enrich the quality of life through the study and performance of music. The SHU-String Faculty Ensemble is the University’s resident ensemble.

SHU-Community 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 a physical therapy and hand therapy clinic facility on cam-
pus, affiliated with the academic program in physical therapy. The Clinic is located in the William H. Pitt Health and Recreation Center. It provides 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 who are advanced clinicians in orthopedic and sports physical therapy. All are licensed physical therapists. The Clinic operates five days per week, 12 hours per day. This Clinic service is closely affiliated with the University’s athletic training program to serve the rehabilitation needs of any student athletes.

The clinical facility features the latest technologies 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 Clinic is an authorized provider for most major medical insurance carriers. For further information, please 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 which 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 which 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 (B.A.) and Bachelor of Science (B.S.) in 27 major fields and 25 minor fields. In addition, the University offers five associate’s degrees in two categories: Associate in Arts (A.A.), and four Associate in Science (A.S.) 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 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 B.A./B.S. 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.

- 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 fulfill 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 109 (Mathematics for Decision Making) normally fulfills 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

Baccalaureate Degree Programs

All candidates for the baccalaureate degree must complete at least 120 credits, with a minimum of 30 credits taken at Sacred
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 "†" in the Course Descriptions section.

**Area B-1**

6 credits from at least two of the following disciplines:

- Art
- Foreign Language
- History

**Literature**
- Media Studies
- Music

**Area B-2**

9 credits from at least two of the following disciplines:

- Anthropology
- Economics
- Political Science
- Psychology
- Sociology

**Area B-3**

Two courses from the following with at least one in the natural/physical sciences:

- Biology
- Chemistry
- Computer Science
- Mathematics
- Physics

**Area B-4**

9 credits from the following two disciplines:

- Philosophy
- Religious Studies

**Bachelor of Arts/Bachelor of Science Requirements**
*(6–8 Credits)*

The B.A./B.S. 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 B.A., the student must complete 6 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 Ad-
vanced. These credits cannot be used in Area B-1.

For the B.S., 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 stepping stone for a career. Several baccalaureate majors offer multiple specialization programs. Sacred Heart University offers the following baccalaureate major programs, with concentration options listed after the major:

College of Arts and Sciences
Art: Illustration, Painting, Visual Communication
Biology
Chemistry: Biochemistry, Environmental, Traditional
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, Legal Administration, Management, Marketing, Sports Management
Economics
Finance
International Business

College of Education and Health Professions
Human Movement and Sports Science
Medical Technology
Nursing (B.S. only): First Professional Degree Program and 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-Physical Therapy, Pre-Occupational Therapy). These are explained in the Academic Enhancement Programs section in this catalog.

Minor Programs

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

College of Arts and Sciences

Art
Biology
Chemistry
Computer Science
Criminal Justice
English
French
Global Studies
History
Honors
Italian
Latin American Studies
Mathematics
Media Studies
Music
Philosophy
Political Science
Psychology
Religious Studies
Sociology
Spanish
Women’s Studies

College of Business

Business Administration
Economics
Sports Management

Associate of Arts and Science
Degree Programs

Based on a commitment to serve the needs of the students within the mission of the University, five Associate degree programs are offered. The degree programs fall in two general categories: Associate of Arts (A.A.) in General Studies degree, with specialties in 20 different fields, and career-based Associate of Science (A.S.) degrees in four fields. All programs are designed for upward mobility to earn the baccalaureate degree. In addition to the specialty courses, each program has its foundation within a liberal arts base.

Associate of Arts Degree—
General Studies Program

All Associate of Arts degrees are offered by University College. The candidate for the A.A. degree in General Studies must complete 60 credits, which include the A.A. 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 A.A. 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 6 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

Six credits from at least two of the following disciplines:

Art
Foreign Language
History
Literature
Media Studies
Music
Area II
Six credits from at least two of the following disciplines:
  Anthropology
  Economics
  Political Science
  Psychology
  Sociology

Area III
Six credits from at least two of the following disciplines (including one natural/physical science):
  Biology
  Chemistry
  Computer Science
  Mathematics
  Physics

Area IV
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:

Accounting
Art
Biology
Business
Chemistry
Early Childhood/Psychology
Economics
English
French
History
Italian
Mathematics
Media Studies
Music
Philosophy
Political Science
Psychology
Religious Studies
Sociology
Spanish

Associate of Science Degrees
The University offers the following Associate of Science Degrees:

Computer Science and Information Technology (College of Arts and Sciences)
Banking (College of Business)
Paralegal Studies (College of Business)
Respiratory Care (College of Education and Health Professions)

Note: The requirements for each degree are listed under the College offering the degree.
Academic Enhancement Programs
Academic Enhancement Programs

Academic Advising

Full-time freshmen are assigned an advisor from their particular program: Newcomer (NC), English as a Foreign Language (EFL), Freshman Honors (HP) and/or Academic Incentive Program (AIP), 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 map 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 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:
• placement testing;
• a registration interview and a college orientation;
• a 3-credit course in reading and writing;
• a personal advisor to provide academic counseling on a weekly basis;
• and individual and small group tutoring at the Jandrisevits Learning Center in reading, writing and study skills.

First semester freshmen are assigned to an AIP team of 30 students representing two English classes, with two English professors who also serve as AIP faculty advisors and a core curriculum professor. Students register for the following courses:
• EN 007 Foundations for College English
• FS 101 Freshman Seminar (1 credit)
• Mathematics (according to placement test results)
• A core curriculum course (3–4 credits)
• Elective (3–6 credits)

Second semester 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 AIP faculty advisors.

At the end of the freshman year, the AIP 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 AIP faculty advisors.

English as a Foreign Language (EFL)

The EFL program is designed for students whose primary language is not English. Its purpose is to teach the form and function of American English and to prepare students linguistically so that they may suc-
cessfully study in an American academic institution. Students are advised and enroll into other University content courses as they progress through the English language courses. Incorporating the University’s core requirements into an EFL course of studies, a schedule of classes is very carefully planned with each student, semester by semester, by a specially trained academic advisor. The course of studies is planned to ensure maximum comfort, success and acculturation to the American university experience.

In addition to EFL preparatory courses, EFL designated sections of freshman rhetoric, oral communication and computer science, all of which are core courses, are offered to support and reinforce language and learning skills for the fully matriculated student. These courses are credited toward the degree.

At each of the four levels (EFO1 1, EFO1 2, EFO5 1, EFO5 2), the supportive language courses teach the skills of writing, reading, grammar, listening comprehension and oral skills using an integrated methodology. At the first two levels a student may be advised to register for a conversation course (CA 02 0). Grades in this course count in the GPA, but are not counted toward degree credit.

Placement into the program depends on TOEFL or SAT scores, the University’s placement test, an oral interview and the student’s language profile. Students may enter the program at any of the four levels.

The program includes:
- placement testing;
- a registration interview and orientation program;
- a personal advisor to provide academic counseling on a weekly basis;
- individual and small group tutoring at the University Learning Center in reading, writing and study skills;
- and a specially designed program in EFL language study and communications.

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**English Language Summer Institute (ELSI)**

The English Language Summer Institute provides an intensive language and cultural experience for students and professionals who wish to improve their English language skills or who are beginning their study of English.

The Institute offers four levels of instruction: beginning, basic, intermediate and advanced. At each level the language skills of grammar, writing, reading, listening comprehension, pronunciation and conversation are taught using an integrated methodology. Each student receives 21 hours of formal instruction per week. Fifteen hours are spent learning formal language skills; six hours are spent in cultural enrichment electives such as: American music, American jazz, American cultural roots and American film study. TOEFL preparation is also offered. Each student may choose to take two electives. The electives reinforce the skills learned in the language skills courses and allow students to apply these skills to content areas. Students are tested upon arrival to insure proper placement.

Academic credit is granted to attendees. It should be noted that Sacred Heart University does not guarantee credit will be accepted by other institutions.

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**The 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  
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. A pass/fail course required of all full-time freshmen.

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### The Honors Program (HP)

The Honors program offers challenging, interdisciplinary courses for the student who has excelled in academic work. The program provides an intellectually challenging experience for the student who demonstrates high potential for interdisciplinary learning.

With permission of the academic department, honors courses may be used as credit towards the core, a major or a minor. In keeping with University practice for all courses, no honors course can be used for both major and core credit simultaneously, although an honors course may be used for both core and minor credit. The part-time day student is eligible to enroll in the program.

Specific goals of the program are to:
- Increase the student’s ability to speak and write clearly and professionally;
- Acquaint the student with the literary, artistic, historical, scientific and philosophical ideas and events that shape culture and society;
- Develop the student’s ability to think logically, analyze objectively and synthesize clearly;
- Promote the student’s appreciation for and willingness to consider ideas from an interdisciplinary perspective;
- Instill in the student a respect for and interest in learning, inquiry and scholarship;
- And encourage self-directed, independent learning and thinking.

The Honors curriculum is composed of several courses designed specifically for the program. Honors-level courses integrate material from diverse fields or focus on one topic from a variety of perspectives. The program also helps defray the expenses of the honors student who undertakes independent, scientific or cultural projects.

### Honors Guidelines

The student is eligible for the Honors program in freshman year based on:
- SAT scores totaling 1100 (620 verbal) or more, or exceptionally high scores on University placement tests;
- high school transcripts and recommendations that indicate the student is an honors candidate;
- and an interview with the director of the program.

The student is eligible for honors courses and the Honors program after freshman year based on:
• recommendations from faculty;
• a 3.2 GPA;
• and an interview with the director.

The student will be required to maintain his or her status in the Honors program by enrolling in the prescribed sequence of honors courses every year and by maintaining a 3.2 GPA and B or better in honors courses.

**Minor in Honors**

As noted under baccalaureate major and minor programs in the College of Arts and Sciences, the student who completes a minimum total of 18 honors credits earns an Honors minor. Upon graduation the student will receive a certificate of completion in the Honors program, in addition to a notation on his or her transcript.

**Honors Lectures and Extracurricular Activities**

During the course of a semester, guest speakers from both the University community and the general public address students and faculty on topics of general interest that are not ordinarily included in the curriculum.

To further enhance the Honors learning experience, an Honors Club coordinates discussion groups, field trips and cultural activities. Club members are invited to attend regional and national honors conferences.

**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 towards 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 3 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 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 technology and has already made a significant investment in computers, networking and other related technology. The University's network infrastructure provides support to 10 campus facilities comprised of a state-of-the-art fiber optic ATM (Asynchronous Transfer Mode) backbone network. The network computing architecture supports over 4,000 simultaneous users at any given time.
Network services provided to the student community consist of 10 megabit data jacks in every residence hall, which connect the students to the University Library, Internet and student e-mail 24 hours-per-day, 7-days-per-week. Direct dial-in phone lines accommodate commuter students for the equivalent access to the University network infrastructure at a slower rate.

The Student Computing Laboratories are currently comprised of 120 Pentium-class (P-60 to P-120) personal computers. Four laboratories are utilized for computer-related instruction, and the fifth lab containing 20 personal computers, is accessible to any student, faculty or staff member for e-mail, library access, web browsing and class assignments. The current network computing infrastructure has also been carefully designed to be Internet-2 compliant and ready. Most recently completed are six “smart” classrooms with fixed furniture for laptop use that can accommodate up to 40 students per room. The desks have data ports and electrical outlets to the desktop for student use. In addition, there are data/catv connections at the front of the rooms for use by the Instructor. There is also wiring for ceiling-mounted projection devices.

Recognizing the need to change its “social infrastructure” to promote greater use of technology by the faculty, Sacred Heart University opened the Office of Academic Computing and Instructional Technology in 1996. The goals of this office, which is staffed by a full-time director and two graduate assistants, are to expose the faculty to the technologies that are currently available and their application to the curriculum, to train them in the operation of the technology and to ensure that the required infrastructure and equipment needed for implementation are in place.

In 1995, Sacred Heart University became the first in Connecticut and the fourth in New England to require incoming freshmen to own a notebook computer that meets a specified standard (network connectivity to access the Internet, e-mail, University Library and other libraries across the country and other networked resources). By the fall of 1998, all of our full-time undergraduate students will have notebook computers. The Sacred Heart University Student Mobile Computing Program takes a proactive approach to integrating technology across the curriculum. Faculty members are able to incorporate more on-line information into the curriculum and to use computers as a key component of classroom instruction; faculty and students are able to communicate using e-mail for homework assignments, questions and classroom discussion groups; and students are able to access the Internet for research projects. With the installation of the UMI Proquest system in the University Library in 1995, students and faculty are able to access more than 600 CD-ROM titles from any network port on campus.

**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 postgraduate employment. Opportunities include both co-ops and internships.

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
Academic Enhancement Programs

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 a co-op or internship and to determine the number of credits which 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 Program (NC)

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, Newcomer 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 Newcomer 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 Newcomer freshman begins study in a cluster of about twenty students for three courses during his/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 law school admission.

#### 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, den-
tistry 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-Physical Therapy and Pre-Occupational Therapy Programs**

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

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**Study Abroad**

All Sacred Heart University students are encouraged to take advantage of study abroad opportunities. Full-time students participate in semester and academic year programs. The University is a member of the Institute for European Studies/Institute for Asian Studies and the College Consortium for International Studies which provide high-quality study abroad programs throughout the world. Students may also enroll in other programs if approved in advance by the Study Abroad Office and their academic advisor.

Short-term programs of two to four weeks led by Sacred Heart faculty also make it possible for part-time students to have an international education experience.

For more information, contact the Dean of the College of Arts and Sciences at 203-396-8020.

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**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 which 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, 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 Standards, Policies and Procedures
Academic Standards, Policies and Procedures

Academic Standards

Academic Probation

1. All students, except first semester freshmen, whose cumulative 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 Fs or WFs 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 falls 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>24-53</td>
</tr>
<tr>
<td>6</td>
<td>Junior</td>
<td>54-83</td>
</tr>
<tr>
<td>8</td>
<td>Senior</td>
<td>84-120</td>
</tr>
</tbody>
</table>
**Dismissal**

All students subject to dismissal for academic reasons will be reviewed individually by the Academic Review Board 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/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>GPA</td>
</tr>
<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 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>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>

I (incomplete) grades may be changed by completing the deficient course work no later than six weeks after the beginning of the following semester. All incomplete grades not changed within the six-week period will revert to Fs. In unusual circumstances, the six-week period can be extended up to one year maximum with the approval of the course instructor and the department chairperson. Extension of Incomplete Grade forms can be obtained from the Registrar’s Office.

A grade below C is not an acceptable grade in Rhetoric, Effective Communication or major coursework. 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.

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**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 Office of the University Registrar. 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 Office of the University Registrar at 203-371-7890.

**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 Fs 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, 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 Honesty**

The University places special emphasis on academic honesty. Plagiarism, theft of library books or other University equipment and all forms of academic dishonesty, including any form of copying another person’s work, are subject to appropriate disciplinary action. Clear cases of academic dishonesty, in any course, will result in an F for that course or dismissal from the University. For any disciplinary action, the University affords a student the right of due process by appealing to the dean of the student’s college and then, if necessary, to the Office of the Vice President for Academic Affairs.

**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 who earns a grade point average (GPA) of 3.4 or better is eligible for the Dean’s List. A part-time student who completes 9 or more credits with a 3.4 GPA or better or 6 to 8 credits with a 3.75 GPA or better is eligible for the Dean’s List. Students who complete fewer than 6 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, evening 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 and intensive courses. 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 during that period.

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 elective courses.
4. Area B, major, including required supporting courses, minor, Education or B.A./B.S. required courses cannot be taken under the pass/fail option, except by permission of 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 Admissions Office (203-371-7880). Part-time students should contact University College (203-371-7830).
Placement Tests
All students registering for EF 011, EF 012, EF 051, EF 052, EN 007 or EN 011 and/or MA 006, MA 101, MA 105, MA 109, MA 140 or MA 151 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 EFL (English as a Foreign 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 or 203-371-7772.

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.

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, at any time, changes 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.

Program Changes—Add/Drop
A student may change his or her course selection only within the first week of the semester. A nominal 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 section 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 dis-
cretion 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.

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 towards 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.

Physical and Learning Disabilities
Any student who has a physical or learning disability and for whom the completion of a specific degree requirement would cause undue hardship can submit an appeal to the Office of the Dean of the student’s college for a waiver of that requirement.

Substitutions and Waivers
Substitutions in Major/Minor Courses

Major Requirements
Substitutions for required major courses can be made with permission from the department chairperson for the major discipline and dean of the student’s college. The total number of credits required cannot be fewer than the minimum requirements established in the curriculum (i.e., 30 credits for baccalaureate degree and 15 credits for an associate’s degree).
If a required course is canceled by the University, the department chairperson may substitute a comparable requirement, preferably in the same or similar discipline. These substitutions must be filed in writing with the Registrar’s Office.

**Waivers**

On occasion, it becomes necessary to modify degree requirements or other considerations involving University policies and regulations, based on individual needs. A student seeking a modification in academic requirements should obtain the application for an Academic Waiver form from the Office of the Dean of the student’s college.

Applications must be submitted at least one semester prior to completion of the degree.

Types of waivers include major course residency requirement, major requirements, physical handicap, proficiency and substitutions. On occasion, a transfer student has completed a majority of courses offered by the major discipline. The department chairperson can recommend to the Dean of the College the reduction of one half of the major courses in residence. The Dean will make the final determination.

**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, ACT-PEP). 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
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 foster the above mission, the College strives to provide a learning environment that fosters the growth, development and nurturing of the entire individual.
<table>
<thead>
<tr>
<th>Discipline</th>
<th>Courses Only (No Major/Minor)</th>
<th>Associate’s Degree Major</th>
<th>Bachelor’s Degree Minor</th>
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<td>Corrections Concentration</td>
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Anthropology

Anthropology is the study of human culture, behavior and biology from a global, comparative and holistic perspective. As a field of study it examines the similarities, differences and development of human culture, behavior and biology. Anthropology is linked through the five subdisciplines of cultural, physical, archaeological, linguistic and applied anthropology.

Cultural anthropology focuses on contemporary human societies and on the study and understanding of the entire range of human culture. Physical anthropology examines human genetics, growth and development and biological evolution. Archaeological anthropology is concerned with reconstructing the lifeways and cultural evolution of extinct populations and societies through their artifacts and other material remains. Linguistic anthropology focuses on the origin, evolution and description of human languages and the relationship between language and culture. Applied anthropology is concerned with the application of anthropological theories, methods and insights to the solution of real-life problems.

Course Descriptions

†AN 101 Physical Anthropology 3 CR
The nature and interpretation of the fossil and archaeological record for human biological and cultural evolution are covered. Other topics include biological variability, adaptability and human variation.

†AN 102 Cultural Anthropology 3 CR
Emphasis on the variety of economic, social, political and ideological patterns found in human societies from hunter-gatherers to modern industrialized nations.

†AN 201 World Cultures 3 CR
Examines a cross section of societies, including hunter-gatherer, horticultural, peasant, pastoral and industrial societies. 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 struggles of North American Indians. Pre-requisite: SO 101 or AN 102 or permission of the instructor

†AN 235 Tribal Peoples and Industrial Studies 3 CR
Examines the interaction between industrial nations and tribal cultures in the modern world. Considers modernization and global economic development in relation to tribal cultures.

†AN 240 Urbanism and Urban Development in World Perspective 3 CR
Focuses on the origins and growth of cities, urban society and culture in the developed and developing areas of the world.

†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.

AN 299 Special Topics in Anthropology 3 CR
Designates new or occasional courses (i.e. one capitalizing on a timely topic). Pre-requisites: 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, to 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 develop the ability 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: Visual Communication, Illustration and Painting.

Visual Communication 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 visual communication, including book production, periodical publishing, preparation of education 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
Ruth E. Baxter, MA, Instructor
John S. deGraffenried, MFA, Assistant Professor
Theodore Gutswa, MFA, Associate Professor
Virginia F. Zic, MFA, Professor

Art Studios
Art studio work 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
The major in Art and Design requires the completion of 52 credits for a concentration in Visual Communication, Illustration and Painting. All Art majors complete 25 credits in foundation courses plus 27 credits in their areas of concentration.

Required Courses for All Art and Design Concentrations
AR 090 Foundation Portfolio
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 Visual Communication Concentration
AR 112 Three-Dimensional Design
AR 130 Painting I
or
AR 131 Watercolor
AR 160 Illustration I
AR 211 Visual Communication I
AR 212 Visual Communication II
AR 270 Visual Communication III
AR 271 Visual Communication IV
AR 370 Visual Communication V
AR 390 Visual Communication Portfolio

Additional Required Courses for Illustration Concentration
AR 130 Painting I
AR 160 Illustration I
AR 211 Visual Communication 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

Additional Required Courses for Painting Concentration
AR 130 Painting I
AR 221 Drawing III
AR 223 Three-Dimensional Drawing
AR 230 Painting II
AR 231 Painting III
AR 320 Drawing IV
AR 330 Painting IV
AR 391 Senior Project

Additional Required Courses for Visual Communication Concentration
AR 110 Design: Visual Organization
AR 111 Design: Color
AR 112 Three-Dimensional Design
AR 211 Visual Communication I
AR 212 Visual Communication II
AR 214 Computer Design Basics

Additional Required Courses for Illustration Concentration
AR 110 Design: Visual Organization
AR 111 Design: Color
AR 160 Illustration I
AR 220 Drawing II
AR 260 Illustration II
Any other course in Illustration

Additional Required Courses for Painting 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
Art (15 credits)
AR 101 Art in the Western World
Four art electives

Course Descriptions
AR 090 Foundation Portfolio 1 CR
Required upon completion of foundation courses: AR 110, AR 111, AR 120, AR 220. Includes instruction in matting and presentation of artwork.

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.
†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 areas 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 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
Instigates the compositional elements of art structure. Principles to two-dimensional design line, shape, tone, texture and space examined with emphasis on the visual communication of ideas.

AR 111 Design: Color 3 CR
Explores the interaction of shape, space, light and texture as related to color. Examines the influence of color interaction on color perception and color symbolism. 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 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 and the works of established masters. 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: Completion of or near completion of 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 story telling, or fantasy book cover art. Prerequisites: AR 161 and completion of or near completion of AR 221

†AR 201 Studies in Modern Art 3 CR
An analysis of the works and questions raised by the arts of the nineteenth and twentieth centuries. Examines the roles of modern artists as they reflect and project or comment on life in the twentieth century.
AR 204 Renaissance Art 3 CR
A critical discussion of the historical, conceptual and formal changes in the visual arts within the fifteenth and sixteenth centuries. Includes an analysis of the influence of Italian and Northern European painting on European cultures.

AR 205 European Art: Seventeenth-Nineteenth Century 3 CR
Discussion of the major developments in painting, sculpture and architecture during the seventeenth and eighteenth 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 Visual Communication 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 idea. Prerequisite: AR 110

AR 212 Visual Communication II 3 CR
An exposition of printing methods, including various processes in platemaking, diecuts, embossing, full-color process printing, paper basics and current technical innovations. Experience in the preparation of art copy for printing production is provided. Prerequisites: AR 111 and AR 211

AR 214 Computer Design Basics 3 CR
Examines design elements and techniques as they apply to computer painting and drawing programs. Creative exploration of concepts in paint and object-oriented computer graphics. Prerequisites: AR 110 and AR 120

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 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, volume modeling 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 technical use of the airbrush. Students 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 and finishing illustration for advertising with consideration of reproduction requirements. Problems dealing with line, black-and-white, limited and full-color advertising. All media. Prerequisite: AR 261

AR 270 Visual Communication III 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. Prerequisite: AR 261

AR 271 Visual Communication IV 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. Prerequisite: AR 212

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 111 and AR 271

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, a faculty’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 Visual Communication V 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 Visual Communication Portfolio 3 CR
Development of a portfolio geared toward the student’s professional goals. 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 coursework. 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**

Shannon E. Brightman, Ph.D., Assistant Professor
William T. Gnewuch, Ph.D., Associate Professor
Rosemary Green, Ph.D., Associate Professor
John D. Griffin, Ph.D., Assistant Professor
Jennifer H. Mattei, Ph.D., Assistant Professor
Carol D. Schofield, Ph.D., Associate Professor
Christ J. Verses, Ph.D., Associate 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 laboratory. It also has two instrumental research laboratories, one in Molecular Biology and one in 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 preparations, animal and plant growth, physiology experiments and aquatic and terrestrial environmental studies.

Special equipment includes automatic pipetting equipment, high-speed centrifuges, electrophoresis and blotting equipment, hybridization oven, thermal cycler, Ikegami TV microprojector, DNA sequencing apparatus, tissue culture hood, CO2 incubators, environmental chamber and microcomputers. New equipment includes a Gould Instrument easygraf thermal array recorder, digital oscilloscopes, vibrating blade microtome, sliding microtome, high performance lab table, Kodak digital camera, Kodak digital printer, Axon Instrument computer data acquisition system, Lieca epiflourescent microscope, vertical micropipette puller and a Huxley-Wall micromanipulator.

**Major in Biology**

The major in Biology requires the completion of 38 biology credits and 18–19 required supporting credits.

**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 311 Cell Biochemistry
or
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 only satisfy one of those modules.

Environmental Biology Module
BI 210 Plant Morphology and Function
BI 240 Invertebrate Biology
BI 245 Vertebrate Biology
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 312 Systems Physiology
BI 345 Neurobiology

Molecular Biology Module
BI 230 Microbiology
BI 311 Cell Biochemistry
BI 320 Advanced Genetics Seminar
BI 325 Immunology
BI 330 Virology
BI 345 Neurobiology
BI 355 Molecular Biology

Biology Electives
In addition to the 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.

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) to be recommended by a Biology advisor

Minor in Biology
The minor in Biology requires the completion of the following 24 credits.

Required Courses for Minor
BI 111, 112 Concepts in Biology I and 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
Biology (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
with
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 lectures and two hours of experiment and discussion per week. Nonscience majors.

†BI 020 Heredity and Society 4 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 and two hours of seminar per week. Nonscience 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. Pre-
Physical Therapy, Pre-Occupational Therapy, Nursing, Respiratory Therapy, Medical Technology and Athletic Training 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, Respiratory Therapy, Medical Technology and Athletic Training students. *Prerequisite:* BI 131

**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 and Pre-Occupational Therapy 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, BI 220, CH 152 and CH 154

**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. Focuses on ethical issues precipitated by genetic research. Student presentations are required in seminar sessions. Three hours of lecture and two hours of seminar per week. *Prerequisites:* BI 111, BI 113, CH 151 and CH 153 (chemistry courses may be taken concurrently)

**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 235 Histology** 4 CR
Focuses on microscopic anatomy of tissues, organs and cells of the human body designed to provide a basic understanding of the structural correlates of function. The laboratory introduces histological methods and gives practice in the identification of human tissues. *Prerequisites:* BI 112 and BI 114

**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. Labora-
tory 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 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 222 and CH 224 or permission of instructor

**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 320 Advanced Genetics Seminar** 3 CR
A seminar that explores a specific topic or selected topics concerned with recent developments in genetics. Three hours per week. **Prerequisite:** BI 220

**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 230

**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 230

**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 131; **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; **corequisites:** CH 222 and CH 224

**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. Directed by an appropriate professional in consultation with a University biologist. The student must submit a formal proposal to the chairperson of Biology.

**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, Section A Research in Molecular Biology, Section B Research in Ecology and Section C Research in Neurobiology

**BI 399 Senior Seminar 2 CR**
A capstone course for the Biology major. A review of current research and literature in a specialized field of biological science. A research paper and final oral presentation on a selected topic is required. **Prerequisites:** Senior status and permission of advisor
Chemistry

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 B.S. 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 also is 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., Assistant Professor
Linda Farber, Ph.D., Assistant Professor
Babu George, Ph.D., Professor
Dhia A. Habboush, Ph.D., Professor
Philip J. Krebs, Ph.D., Assistant Professor
James P. Louey, Ph.D., Assistant Professor
Marlina Slamet, Ph.D., Assistant Professor
Penny A. Snetsinger, Ph.D., Associate Professor
Melinda M. Sorenson, Ph.D., Assistant Professor

Chemistry Laboratories

There are six 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**
FT-IR Spectrometer, several Ultraviolet/Visible Spectrophotometers, Ultraviolet/Visible/Near Infrared Recording Spectrophotometers, Luminescence Spectrometer, several Infrared Spectrophotometers, Atomic Absorption Spectrometer and Nuclear Magnetic Resonance Spectrometer

**Chromatography**
Programmable Gas Chromatographs and HPLC System

**Electrochemistry**
Polarographic Analyzer, Polarographic Analyzer/Stripping Voltameter, SMDE Electrode, RDE Electrode and Electrogravimetric Analyzer

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

**Other Equipment**
Photochem Organic Carbon Analyzer, Magnetic Susceptibility Balance, Flame Photometer and Acrylic Glass Dry Box

**Major in Chemistry**

**Requirements for the B.S. Degree**
The major in Chemistry 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 and Environmental 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 Principles of Physics I  
PY 152 Principles of Physics 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.

Additional Required Courses for Environmental Chemistry Concentration
CH 361 Environmental Chemistry
CH 365 Environmental Sampling and Analysis

Two Credits of Environmental Chemistry Electives

Additional Required Supporting Course for Environmental Chemistry
BI 350 Ecology

Requirements for the B.A. Degree in Chemistry
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 331 Physical Chemistry I
CH 333 Physical Chemistry Laboratory I
CH 351 Instrumental Analysis
CH 353 Instrumental Analysis Laboratory
Chemistry elective

Required Supporting Courses
MA 151 Introductory Calculus
MA 152 Mathematical Analysis I
PY 151 Principles of Physics I
PY 152 Principles of Physics 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
Chemistry (32 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  
or  
PY 151 Principles of Physics I  
PY 152 Principles of Physics 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 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 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 090 Principles of Chemistry  4 CR  
Explores fundamentals of chemistry and its role and importance to the health sciences as preparation for CH 151 and/or CH 095. Two 75-minute lectures and one three-hour laboratory or one two-hour discussion on alternate weeks.

†CH 095 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 090 or high school chemistry or permission of instructor

†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 220 Organic Chemistry 3 CR
Overviews hydrocarbons, stereochemistry, aromaticity, synthesis, nucleophilic substitution and elimination reactions and fundamental reactivity and structure of all organic functional groups. Two 75-minute lectures and one 50-minute discussion per week. Prerequisite: 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 spectroscopy 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, re-crystallization; 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 multi-step 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 225 Organic Chemistry Laboratory 1 CR
Reinforces structure-reactivity relationship of organic functional groups through synthesis and analysis using IR, GC and GC-MS. One three-hour lab per week. Prerequisite: CH 154; corequisite: CH 220

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 model 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. Two three-hour laboratories per week. Prerequisite: CH 154; 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 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. Prerequisite: CH 332; corequisite: CH 333

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 321

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 333; corequisite: CH 332

CH 351 Instrumental Analysis 3 CR
Explores theory and practice of instrumental methods of analysis; spectrophotometric, electroanalytical and chromatographic methods of separation and quantification. Two 75-minute lectures per week. Prerequisites: CH 252 and CH 331 or permission of instructor

CH 353 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 355 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.
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 process and impact of communication 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 nonnative speaker of American English. Language lab required. Does not carry degree credit.

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.

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. 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.

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 Story Theater 3 CR
Focuses on the origin of the art of storytelling. Students develop basic performance skills such as concentration, relaxation and spontaneity and apply them to both scripted and nonscripted material such as short stories, fairy tales, myths, poetry and material created by the participants themselves through improvisation. Music, dance and mime are offered whenever possible. Prerequisite: CA 021 or permission of instructor

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 seventeenth century. CA 162 focuses on the theatrical and dramatic history from the end of the seventeenth century to the present. The course sequence examines the evolution of the various ele-
ments 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. CA 271 continues work begun in this course. **Prerequisite:** CA 021 or permission of instructor.

**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. **Prerequisites:** EN 011, EN 012 and CA 021.

**CA 261 Public Speaking** 3 CR

Organization and delivery of the extemporaneous, informative and persuasive speech is stressed. Audience analysis, context and use support materials in diverse speaking situations are studied. Service learning may be 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 Drama Workshop I, II** 3 CR each

The Drama 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 Drama Practicum I, II** 3 CR each

The Drama 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, that may or may not become part of the department’s permanent offerings. Consult the current schedule for current topics and prerequisites.
Computer Science and Information Technology

In keeping with the development, growth and diversification within the computer field, the baccalaureate program in Computer Science addresses the two major areas existing today: the Computer Science and the Information Technology concentrations.

A graduate with a baccalaureate degree in Computer Science and Information Technology will be well prepared to undertake any graduate program leading to a Master’s or Doctoral degree in Computer Science, as well as programs in Operations Research, Applied Operations Research, Applied Mathematics or Statistics.

Graduates with degrees in Computer Science and Information Technology are among the most sought after by all segments of the economy. Not only is the job market bright for Computer Science graduates, but the level of income for those entering the field is among the highest of all college graduates. A Master of Science in Computer and Information Sciences (MSCIS) has been established in order to allow candidates to pursue a degree in the advanced computing areas. Two options, computer science or information technology, have been developed to complement the existing undergraduate programs.

Faculty
Frances S. Grodzinsky, Ph.D., Professor
Sandra Honda-Adams, M.S., Associate Professor
Efim Kinber, Ph.D., Assistant Professor
Domenick J. Pinto, M.S., Associate Professor

Computer Science Facilities
The Computer Science and Information Technology department has a microcomputer lab/classroom, a networking lab and a terminal lab that are specifically designed for the needs of the Computer Science student. In addition, the university has two other microcomputer classrooms and a general laboratory for use by the entire student population.

The microcomputer lab/classroom is equipped with 20 Pentium computers each containing a CD-ROM drive, a zip drive, and a sound card as well as full networking capabilities (including Internet access). The software available in this lab includes Microsoft Office, Macromedia Director, Code Warrior Java, Oracle, ADA 95, Visual Basic and other specialized software necessary for course work in a given semester.

The networking laboratory has nine Sparc 5 workstations and a Sparc 20 server from Sun Microsystems. In addition to the usual compilers, the lab runs Comnet III, networking simulation software that allows students to design and test networks. The lab also has two teleconferencing stations and a sniffer that allows performance testing. The Networking Laboratory is the location of the student-run web site at SHU, where students can post their home pages.

The terminal lab is designed to allow students to program in COBOL, C, ADA, and Pascal as well as use a Unix-based operating system.

Major in Computer Science
The major in Computer Science with either a Computer Science or Information Technology concentration requires the completion of 54 credits.
Required Courses for Both Concentrations
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 Data Base Design
CS 312 Software Engineering
CS 318 Project Course
CS 319 Computer Ethics

Required Courses for Computer Science Concentration
CS 241 Advanced Programming Concepts Using “C”
CS 341 Analysis of Algorithms
CS 342 Numerical Computation
CS 348 Anatomy of Programming Languages
CS 349 Operating Systems
One CS elective

Required Supporting Courses for Information Technology Concentration
BU 103 Business: Its Nature and Environment
or
BU 201 Organization Management
MA 109 Mathematics for Decision Making
MA 110 Calculus 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 Data Base Design
CS 312 Software Engineering
One CS elective

Required Supporting Courses for Computer Science Concentration
MA 151 Introductory Calculus
MA 152 Mathematical Analysis I
MA 261 Linear Algebra
MA 331 Mathematical Probability and Statistics I

Required Courses for Information Technology Concentration
CS 231 File Handling/COBOL
CS 331 Design of Multimedia Applications
CS 338 Systems Analysis and Design
CS 339 Networking and Data Communications
One CS elective

Associate’s Degree in Computer Science
The Associate of Science degree in Computer Science offers two areas of emphasis: 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 214 Introduction to Symbolic Logic
- CS 215 Computer Systems Organization with Assembler

**Required Core Courses for Both Concentrations**
- EN 011 Introduction to Rhetoric
- EN 012 Rhetoric: The Research Paper
- Four Liberal Arts electives

**Required Courses for Computer Science Concentration**
- CS 241 Advanced Programming Concepts Using “C”
- CS 311 Data Base Design
- CS 312 Software Engineering
- CS 319 Computer Ethics
- CS 341 Analysis of Algorithms
- Two CS electives

**Required Supporting Courses for Computer Science Concentration**
- MA 151 Introductory Calculus
- MA 152 Mathematical Analysis I

**Required Courses for Information Technology Concentration**
- CS 231 File Handling/COBOL
- CS 311 Data Base Design
- CS 312 Software Engineering
- CS 319 Computer Ethics
- CS 338 Systems Analysis and Design
- Two CS electives

**Required Supporting Courses for Information Technology Concentration**
- MA 109 Mathematics for Decision Making
- MA 110 Calculus for Decision Making

**Certificate Program in Computer Science and Information Technology**

The Computer Science Certificate program provides a foundation for scientific use of computers and information technology applications. The student can earn a certificate by completing six courses from either the Science or Information Technology options, provided that the prerequisites are met.

**Required Courses for Both Concentrations**
- CS 110 Introduction to Computer Science
- CS 111 Introduction to Structured Programming
- CS 112 Data Structures

**Required Courses for Science Concentration (choose three)**
- CS 241 Advanced Programming Concepts Using “C”
- CS 311 Data Base Design
- CS 312 Software Engineering
- CS 319 Computer Ethics
- CS 341 Analysis of Algorithms

**Required Courses for Information Technology Concentration (choose three)**
- CS 231 File Handling/COBOL
- CS 311 Data Base Design
- CS 312 Software Engineering
- CS 319 Computer Ethics
- CS 338 Systems Analysis and Design
Course Descriptions

CS 100 Introduction to Data Processing 3 CR
An introduction to computing and data processing for noncomputer 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 work on it throughout the semester. Prerequisite: CS 100 or permission of department chair

CS 102 Multimedia for Nonmajors 3 CR
This course aids the nonprogrammer 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 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, tableaus, deduction theorem, resolution, etc.; math-
Ematical induction; Turing machines; and halting problems. **Prerequisite:** 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 231 File Handling/COBOL** 3 CR  
A course that solves business problems using the COBOL language. The focus of this course is the structure, organization and access of files. Sequential, ISAM, Relative and Indexed files are studied and implemented using COBOL. **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 299 Special Topics** 3 CR  
Various courses of current interest to the computer science major will be introduced from time to time. **Prerequisite:** Sophomore status

**CS 311 Database Design** 3 CR  
Explores fundamentals of data base design theory and application. Includes data models with emphasis on the relational model. **Prerequisite:** 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 an acceptable project. Some possibilities include research/survey projects and implementation projects. Combinations are also suitable. Small group projects with well-defined individual responsibilities might also be acceptable. The student is required to write a report and is strongly encouraged to make a public presentation of the work. **Prerequisite:** 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, accountability, hacking and cracking, codes of ethics and professional responsibility. Students will 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. **Prerequisite:** Junior/Senior status, PH 101, RS 101 or permission of instructor
CS 331 Design of Multimedia Applications  
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. Prerequisites: CS 112

CS 338 Systems Analysis and Design  
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 the analysis 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 Communications  
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, circuit switching and packet switching networks, analog and digital systems, compression and error handling are among those studied. Students use the COMNET simulation package to design and simulate networks. Prerequisites: CS 312 and CS 338; knowledge of “C” preferred

CS 341 Analysis of Algorithms  
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 342 Numerical Computation  
Presents computational algorithmic methods for solving problems in physical, biological and social sciences. Topics include linear and nonlinear algebraic problems, interpolation and numerical differentiation and integration. Prerequisites: CS 341 and MA 253

CS 348 The Anatomy of Programming Languages  
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  
Examines resource management, including memory allocation and management, virtual memory, process scheduling, protection, deadlock and concurrency, case studies and multiprocessing. Prerequisite: CS 341

CS 352 Windows Application Programming: Visual Basic 5.0  
Explores 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 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

Elective Courses (currently under development)
CS 350 Unix and Shell Programming
CS 351 Digital Design
CS 360 Advanced Data Base
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 behavioral sciences. It provides an excellent opportunity for criminal justice personnel, and community and junior college graduates, to obtain a bachelor's degree in Criminal Justice. Applicants who have completed the municipal, state or FBI training may apply for advanced standing.

Faculty
Claudia V. Henderson, J.D., Assistant Professor
Pearl Jacobs, Ph.D., Associate Professor
John Jay Rouse, Ph.D., Assistant Professor
Grant Walker, Ph.D., Associate Professor

Major in Criminal Justice

The major in Criminal Justice requires the completion 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 prerequisites for certain criminal justice courses.

Required Courses for All Concentrations

- 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 236 Juvenile Delinquency
SO 237 Deviance and Social Control
SO 332 Statistics for the Social Sciences

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 Concentration

- 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 Concentration

- CJ 230 Introduction to Law Enforcement
- CJ 231 Criminal Investigation
- CJ 235/LW235 Law of Evidence
- CJ 238 Police Administration
- CJ 330 Police Community Relations
- CJ 339 Police Supervision
- CJ 390 Internship

Security Concentration

- 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 completion 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. **Prerequisites:** PS 101 or SO 101 and 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 basis 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 proffered 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 also is 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 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 may not become part of the department’s permanent offerings. Consult the current course schedule for available topics and prerequisites.

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

Marian S. Calabrese, Ph.D., Associate Professor
Ralph L. Corrigan, Jr., Ph.D., Professor
David F. Curtis, Ph.D., Professor
Angela DiPace, Ph.D., Associate Professor
Sidney P. Gottlieb, Ph.D., Professor
Dean A. Hinnen, M.A., 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

Major in English

The major in English requires the completion of 36 credits and is organized to include the major core of 21 credits, plus 15 credits taken in one of five areas of concentration: Communications, Drama, Literature, Writing or Generalist.

Required Courses for All English Concentrations

EN 265 Shakespeare
MS 101 Introduction to Media Studies

One course from each of the following periods in British and American literature:

Early British Literature through Seventeenth-Century
EN 310 British Literature to 1603
EN 312 Seventeenth-Century British Literature

Late-Seventeenth-Century British Literature through Romanticism
EN 313 Restoration and Eighteenth-Century British Literature
EN 314 The Romantic Period in British Literature

Victorian British Literature through Twentieth-Century
EN 315 Victorian British Literature
EN 316 Twentieth-Century British Literature

Early American Literature
EN 250 Literature in a New Land
EN 255 Early American Black Literature
EN 256 The American Renaissance

Mid-Nineteenth Century American Literature through Twentieth-Century
EN 257 Dickinson to Eliot
EN 258 Faulkner to the Present
EN 386 Black Writers in America

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 Drama Concentration
CA 141 Introduction to the Theater
CA 161 Theater History I
or
CA 162 Theater History II
CA 275 Drama Practicum I
or
CA 375 Drama Practicum II
Two courses from the following:
CA 151 Story Theater
CA 171 Acting I
CA 273 Drama Workshop I
CA 274 Drama Workshop II
CA 280 Oral Interpretation of Literature
CA 299 Special Topics in Oral Communication
EN 230–239 Studies in Drama: Special Topics

Additional Required Courses for Literature Concentration
Five 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 Writing Concentration
EN 375 Advanced Composition
or
EN 175 Introduction to Creative Writing
Four courses from the following:
EN 170–179 Studies in Writing: Special Topics
EN 170 Journal Writing
EN/MS 211–311 News Writing and Reporting
EN 370–379 Studies in Writing: Special Topics
EN/MS 370 Newspaper Publication

Additional Required Courses for Generalist Concentration
Five English or communications courses listed under the four areas of concentration presented

Minor in English
The minor in English requires the completion of 18 credits in one of the five following areas of concentration: Literature, Writing, Drama, Communication and Generalist.

Required Courses for Literature Concentration
Two courses in British literature, one course in American literature and three courses in literature at the 200 level or higher

Required Courses for Writing Concentration
EN 375 Advanced Composition
Four courses in writing and one course in literature at the 200 level or higher

Required Courses for Drama Concentration
CA 141 Introduction to the Theater
CA 161 Theater History I
or
CA 162 Theater History II
CA 275 Drama Practicum I
or
CA 375 Drama Practicum II
EN 265 Shakespeare
Two courses selected from the following:
CA 151 Story Theater
CA 171 Acting I
CA 271 Acting II
CA 273 Drama Workshop I
CA 274 Drama Workshop II
CA 275 Drama Practicum I
CA 375 Drama Practicum II
CA 280 Oral Interpretation of Literature
EN 230–239 Studies in Drama: Special Topics

Required Courses for Communications Concentration
CA 121 Advanced Effective Communication
Plus five other communications courses chosen in consultation with an advisor

Required Courses for Generalist Concentration
One course in literature; one course in writing; one course in drama; one course in communication; and two electives from literature, writing, drama or communication

Associate in Arts General Studies

Emphasis Requirements
English (15 credits)
One British literature course, one American literature course, and three English electives

English Education Certification Program

Required Courses for Elementary English Education
EN 207 Introduction to English Language
EN 375 Advanced Composition
EN/ED 387 Children’s Literature

Required Courses for Secondary English Education
ED 262 Secondary Methods
ED 342 Teaching Reading and Writing in Content Areas
EN 207 Introduction to English Language
EN 375 Advanced Composition
EN 388 Young Adult Literature

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 Foreign Language (EFL) placement.

EN 007 Foundations for College English 3 CR
Within a workshop atmosphere, the student receives intensive instruction in necessary skills. Provides practice in strengthening reading and writing needed for all college-level work. English Placement/Proficiency Exam required. Students must pass this course with a C or better and must pass an exit exam. Does not carry degree credit.
EN 009 Reading Improvement and Study Skills 3 CR
This skills course focuses on developing more efficient study and reading techniques. Study skills include previewing through reviewing of courses, texts and tests. Improved reading comprehension, speed and vocabulary are emphasized within a reading laboratory setting.

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 and must pass an exit exam.

EN 012 Rhetoric: The Research Paper 3 CR
Refines rhetorical skills developed in EN 011 and introduces the student to the techniques—summary, paraphrase, quotation, etc.—involved in writing a research paper on a controversial topic. Develops field, library and on-line research skills; teaches MLA format. Students must pass this course with a C or better and must pass an exit exam. Prerequisite: EN 011

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 170–179 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 370–379. Prerequisite: EN 012

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 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 as general electives for students at the sophomore level. Description varies each time it is offered. Prerequisite: EN 101

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 3 CR each
An introduction to basic news writing and journalistic reporting principles. Concepts of journalism provide a format for analy-
sis 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: MS 101 and EN 012; for EN/MS 311: EN/MS 211

†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. Prerequisite: EN 101

†EN 250 Literature in a New Land 3 CR
Focuses on Colonial American Writing: 1620–1800. Bradford, Edwards, Taylor and Franklin are studied. Prerequisite: EN 101

†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. Prerequisite: EN 101

†EN 256 The American Renaissance 3 CR
A study of transcendentalists, Hawthorne, Melville, Poe. Prerequisite: EN 101

†EN 257 Dickinson to Eliot 3 CR
Reveals much about America’s “Guilied Age” and America’s emergence into the modern world with its writers of the wasteland, the “lost generation.” Prerequisite: EN 101

†EN 258 Faulkner to Present 3 CR
Modern American literature in content and technique reflects twentieth-century preoccupation with loss of faith, the rise of individual consciousness and the dilemma of radical alienation in an increasingly fragmented society. Prerequisite: EN 101

†EN 265 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. Prerequisite: EN 101

†EN 280–289 Studies in World Literature: Special Topics 3 CR
Course description varies each time the course is offered. Prerequisite: EN 012 or EN 101

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. Prerequisite: EN 101

†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. Prerequisite: EN 101
EN 313 Restoration and Eighteenth-Century British Literature 3 CR
Dryden, Pope, Swift and Johnson are read, as well as Restoration dramatists (Congreve, Etherege, Wycherely) and early novelists (Defoe, Richardson, Fielding). Prerequisite: EN 101

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.

EN 315 The Victorian Period in British Literature 3 CR
Explores the literature of Tennyson, Browning, Arnold, Dickens, Eliot, Newman, Ruskin, Pater, Swinburne and others. Focuses on major writers of the period (1830–1901) beginning with the poetry and concluding with studies in the Victorian novel. Prerequisite: EN 101

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. Prerequisite: EN 101

EN 320–329 Studies in Poetry: Special Topics 3 CR
Course description varies each time course is offered. Prerequisite: EN 101 or permission of instructor

EN 340–359 Studies in Fiction: Special Topics 3 CR
Course description varies each time course is offered. Prerequisite: EN 101

EN 370–379 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/MS 370 Newspaper Publication 3 CR
Introduction to newspaper publication provides editing and publications practice. Emphasis on copy selection, copyediting, 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: MS/EN 211 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. Prerequisite: EN 101

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. Prerequisite: EN 101

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.

EN 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

EN 390 Studies in Literary Criticism: Special Topics 3 CR
Course description varies 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 Foreign Language

EF 011 English as a Foreign Language I 4 CR
Basic level of EFL concentrates on grammar, syntax, vocabulary, mastery of English sentence, paragraph, and oral and aural communication proficiency. Lab work required.

EF 012 English as a Foreign Language II 4 CR
Continuation of EF 011 building on development of grammar and syntax skills, paragraph and essay development. Lab work required.

EF 051 English as a Foreign Language III 3 CR
Intermediate level of EFL provides intensive instruction in writing and college reading skills, focusing on the well-developed essay. Appropriate elements of grammar and syntax stressed.

EF 052 English as a Foreign Language IV 3 CR
High intermediate level of EFL focuses on writing well-developed essays, emphasizing American pattern of thought, grammar, syntax, vocabulary development, and reading strategies for college level texts.
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., Assistant Professor, Director of the Program

Supporting Faculty, Chemistry and Physics

Linda Farber, Ph.D., Assistant Professor
Babu George, Ph.D., Professor
Dhia A. Habboush, Ph.D., Professor
Philip J. Krebs, Ph.D., Assistant Professor
James P. Louey, Ph.D., Assistant Professor
Marlina Slamet, Ph.D., Assistant Professor
Penny A. Snetsinger, Ph.D., Associate Professor
Melinda M. Sorensson, Ph.D., Assistant Professor

Supporting Faculty, Biology

Shannon E. Brightman, Ph.D., Assistant Professor
William T. Gnewuch, Ph.D., Associate Professor
Rosemary Green, Ph.D., Associate Professor
John Griffin, Ph.D., Assistant Professor
Jennifer Mattei, Ph.D., Assistant Professor
Carol D. Schofield, Ph.D., Associate Professor
Christ J. Verses, Ph.D., Associate Professor

Laboratories

There are currently six equipped chemistry labs, five biology labs and one physics lab serving the needs of the program. The new environmental science lab will open for the Fall of 1998. Many of the state of the art instrumentations are available to environmental science students such as GC/MS, FTIR Spectrometer, Ultraviolet/Visible Spectrophotometer, infrared Spectrophotometer, Atomic Absorption Spectrometer and many 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 II
EV 338 Toxicology
EV 342 Senior Environmental Science Course
Elective Environmental Science Course
Elective Environmental Science Course
Elective Environmental Science Course

Required Supporting Courses

CH 220 Organic Chemistry
CH 223 Organic Chemistry Laboratory
MA 152 Mathematical Analysis I
Elective Basic Science Course
Elective Basic Science Course
Elective Basic Science Course

Additional required courses, including MA 131 (Statistics for Decision Making), MA 151 (Introductory Calculus), PY 151, PY 152, PY 153, PY 154 (General Physics I and II lecture and lab), EC 202 (Principles of Economics II) and PO 121 (American State and Local Government) and CS 100 (Introduction to Data Processing) 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 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 152
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites/Co-requisites</th>
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<tbody>
<tr>
<td>EV 332</td>
<td>Environmental Sampling and Analysis</td>
<td>2 CR</td>
<td>EV 221, CH 220; corequisite: EV 333</td>
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<tr>
<td>EV 333</td>
<td>Environmental Sampling and Analysis Laboratory</td>
<td>1 CR</td>
<td>Prerequisite: EV 332</td>
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<tr>
<td>EV 334</td>
<td>Environmental Hydrology</td>
<td>3 CR</td>
<td>EV 221 and MA 152</td>
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<td>EV 335</td>
<td>Air Pollution</td>
<td>3 CR</td>
<td>EV 332 and PY 152</td>
</tr>
<tr>
<td>EV 336</td>
<td>Waste Disposal and Management</td>
<td>3 CR</td>
<td>Prerequisite: EV 331</td>
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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 clean water act (CWA), clean air act (CAA), and the resource conservation and recovery act (RCRA). Prerequisites: EV 331 and EV 336

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 2-3 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.
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 twenty-first 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 Coursework
Anthropology/Sociology/Criminal Justice
AN 102 Cultural Anthropology
AN 201 World Cultures
CJ 252 Comparative Criminal Justice Systems
SO 354 Global Health and Illness

Economics
EC 303 Global Macroeconomics
EC 322 International Economics
EC 325 European Economic Community

History
HI 210 Survey of Latin American History
HI 215 Europe, 1815–1914
HI 217 Twentieth Century Europe
HI 236 History of the Arab World
HI 238 The Modern Arab World
HI 281 East Asia in the Modern World
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 314 Middle East Politics
PO 341 International Law

Students who minor in global studies should pursue the B.A. 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 in the organization and expression of ideas.

Faculty

Thomas D. Curran, Ph.D., Associate Professor
Charlotte M. Gradie, Ph.D., Associate Professor
John B. Roney, Ph.D., Associate 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
Four history electives, including one in each of the following areas: Europe, Latin America and East Asia

Associate in Arts General Studies

Emphasis Requirements

History (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, nineteenth-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 empire 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 twentieth century. Topics include Latin America and the world economy, twentieth century revolutions, the emergence of mass politics, the changing role of religion and foreign nations.

†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 twentieth 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 213 Central American Conflicts 3 CR
Examines problems in the historical development of Central America in the twentieth century, including ideological and military conflicts, underdevelopment and dependency, challenges faced by indigenous people, options for change, the left and the Catholic church.

†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 fourteenth century to the late nineteenth
century. Emphasis on the household and family, gender, social class and rank, the body and death and material and daily life.

**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 to the 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 “calling.”

**†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 sixteenth 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 twentieth 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 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 twentieth 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 strategy 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 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 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.

For further information, please consult with the Chair of the Department of History/Political Science.
Mathematics

The primary objectives of the mathematics program are 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

John H. Jaroma, Ph.D., Assistant Professor
Kathleen O. Kingston, Ph.D., Assistant Professor
Rose Marie B. Kinik, M.A., Assistant Professor
Peter Loth, Ph.D., Assistant Professor
Antonio Magliaro, Ph.D., Associate Professor
Jonathan D. Matte, M.A., Instructor
Jean T. Sells, Ph.D., Associate Professor
Jean Silva, M.A., Instructor

Major in Mathematics

The Mathematics major requires the completion of 34 mathematics credits plus 8 credits in calculus-based physics.

To obtain a B.S. degree, the Mathematics major must take, in addition to the requirements for a B.A. degree in Mathematics, at least two additional chemistry courses with a lab section, or nine credits in Computer Science, chosen with the approval of the chairperson.

Required Courses

MA 151 Introductory Calculus
MA 152 Mathematical Analysis I
MA 253 Mathematical Analysis II
MA 261 Linear Algebra
MA 311 Geometry
MA 331 Mathematical Probability and Statistics I
MA 332 Mathematical Probability and Statistics II
MA 355 Advanced Multivariable Calculus
MA 362 Abstract Algebra
or
MA 371 Real Analysis
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 Introductory Calculus
MA 152 Mathematical Analysis I
MA 253 Mathematical Analysis II
MA 261 Linear Algebra
MA 331 Mathematical Probability and Statistics I

Associate in Arts General Studies
Requirements
Mathematics (16 credits)
MA 140 Precalculus
MA 151 Introductory Calculus
MA 152 Mathematical Analysis I
MA 261 Linear Algebra

Course Descriptions
MA 006 Basic 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. Prerequisite: MA 101

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 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 Introductory Calculus 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 Mathematical Analysis I 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 Mathematical Analysis II 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 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 331 Mathematical 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 Mathematical 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 355 Advanced Multivariable Calculus 3 CR
Examines line and surface integrals (also in terms of vectors); vector calculus; theorems of Gauss, Green and Stokes; and the space of continuous functions. Prerequisite: MA 253

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 355 and MA 261

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:* MT 371
Media Studies

Media Studies is a program offering a major that combines the study of communications theory and technology with the liberal arts.

The program recognizes that the student must be competent in techniques and technology and must understand the historical, social and philosophical aspects of media. The student majoring in Media Studies examines the theories behind contemporary communication in journalism, broadcasting, still photography and film. Media workshops aimed at developing basic competence in communication production are an integral part of the program.

Major in Media Studies

The major in Media Studies requires the completion of 48 credits.

Required Courses

MS 101 Introduction to Media Studies
MS 191 History of the Motion Picture I or
MS 192 History of the Motion Picture II
MS 201 Kinetics: A Study in the Moving Image
MS/EN 211 News Writing and Reporting
MS 301 Reading Seminar in Mass Communications
MS 397 Senior Project
EN 375 Advanced Composition
One approved course in literature at the 200 level or higher

Production
Three courses from the production area
MS 212 Radio Production I
MS 213 Video Production
MS 215 Film Production I
MS 216 Photography Production I
MS/BU 222 Sports Communications
MS 294 Magazine Publication
MS 295 Electronic Journalism
MS 298 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 315 Film Production II
MS 316 Photography Production II
MS 317 Single-Camera Directing
MS 333 Screenwriting
MS 370 Newspaper Publication
MS 395 Media Practicum
MS 396 Internship
Other department-designated and approved courses

Faculty

Rebecca L. Abbott, M.F.A., Associate Professor
Louise Spence, Ph.D., Associate Professor

Media Studies Facilities

The Media Studies multiple-purpose studios are used for video, film and audio production. The complex features a multicamera video studio, a lighting grid with a full complement of instruments controlled with remote dimmers and multitrack audio recording that broadcasts via closed circuit cable throughout the campus.

The studios further provide remote production capabilities in 3/4-inch U-matic, 1/2-inch VHS and Super VHS portable video equipment and both Super 8mm and 16mm motion picture cameras, with separate editing suites for each format. Multiimage slide/tape production equipment and the black-and-white darkroom offer students additional creative outlets.
History and Theory
Three courses from the history and theory area
MS 191 History of the Motion Picture I
or
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 283 History of Documentary Still Photography
MS 293 Alternative Media
MS 297 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
And 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
MS 201 Kinetics: A Study in the Moving Image
or
MS 301 Reading Seminar in Mass Communications
Two courses in the area of production, one media studies elective and one course in literature at the 200 level or higher

Associate in Arts General Studies

Emphasis Requirements
Media Studies (15 credits)
MS 101 Introduction to Media Studies
MS 201 Kinetics: A Study in the Moving Image
or
MS 301 Reading Seminar in Mass Communications
One production course and 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 and film 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 191–192 History of the Motion Picture I, II 3 CR each
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. 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 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 Kinetics: A Study in 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, MS 101 and EN 012; 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 Film Production I, II** 3 CR each
An introduction to the basic techniques of cinematic composition, editing and film criticism. Presents the basic administrative and aesthetic aspects of filmmaking. Critical stress is on Super 8mm filming techniques. Some film provided. **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 supple-
ments the practical work. A 35mm camera with manual operative is required. 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 breakdowns; 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 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 293 Alternative Media 3 CR
Explores nonmainstream and noncommercial media to understand their content, form and roles they play in our culture. Particular emphasis on the aesthetic theories and/or social motivations explicit or implicit in the works. Readings, screenings and written reports required.

MS 294 Magazine Publication 3 CR
Overview of the entire process of magazine publication. Topics include history and status of contemporary publication, concept research and development of new magazines, writing and editing, marketing and advertising, relationships to other media, new technologies and the future and employment possibilities. 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 Public Relations: An Overview 3 CR
Provides an overview of the history, purpose and various methods and skills related to public relations. Time is devoted to practical sessions, such as choosing appropriate communications media.

MS 298 Public Relations: Practical Applications 3 CR
Focuses on the implementation of public relations action plans, as applied to specific problems (e.g., mergers, product recall, unionization, plant relocation, strikes, etc.). Both internal and external organizational communications programs are discussed. Guest lecturers from business, institutional and nonprofit sectors present actual case problems and their solutions.

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 Mass Communications 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. Prerequisite: MS 101

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. Consult the current course schedule for available topics and prerequisites.

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 and MS 333 or permission of the instructor

MS 333 Screen Writing 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.

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.

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.

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.

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.

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.

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.

MS 392 Film Genres 3 CR
A study of particular film forms, including western, gangster, science fiction, horror, comedy and others 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.

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.

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.

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.
MS 397 Senior Project  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 to use as a demonstration of his or her ability to communicate through media.

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.
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 German, Japanese and Polish.

Faculty
Norma Branson, M.S., Instructor
Claire Marrone, Ph.D., Associate Professor
Pilar Munday, M.A., Instructor
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
SP 101 Advanced Spanish Composition and Grammar I
SP 102 Advanced Spanish Composition and Grammar II
SP 251 Spanish Literature I
SP 252 Spanish Literature II
SP 280 Hispanic Civilization and Culture: Spain
SP 281 Hispanic Civilization and Culture: Spanish America

One course in Spanish-American Literature
One course in conversational Spanish at the 200 level or higher and three Spanish electives

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.
Associate in Arts General Studies

Emphasis Requirements

Spanish (18-20 credits)
SP 011* First Year Spanish I
SP 012* First Year 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
and/or
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

The minor in French requires the completion of 18 credits from the intermediate level (FR 051–052) and beyond.

Required Courses for Minor

A selection of 18 credits from the courses below depending on students’ level upon entering the program. (If students are placed at the advanced level at the beginning of study, for example, they select additional courses at the 101 or 102 level or above.)
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

Associate in Arts General Studies

Emphasis Requirements

French (18-20 credits)
FR 011* First Year French I
FR 012* First Year 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

The minor in Italian requires the completion of 18 credits from the intermediate level (IT 051–052) and beyond.

Required Courses for Minor

A selection of 18 credits from the courses below depending on the student’s level upon entering the program. (If the student is placed at the advanced level at the beginning of his or her course of study, for example, he or she selects additional courses at the 101–102 level or above.)
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 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
IT 399 Independent Study

Associate in Arts General Studies

Emphasis Requirements
Italian (18–20 credits)
IT 011* First Year Italian I
IT 012* First Year 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 First Year French I, II 4 CR each
Intended for students who have no previous education in French. Emphasis on building communicative 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 competence and oral proficiency. Review and intensified study of structure. Readings, vocabulary building, composition, listening comprehension and conversation. French and Francophone cultures integral 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 grammar 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 writings. 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 353–359 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, Quebec), 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.

German Course Descriptions

†GE 011–012 First Year
German I, II 4 CR each
Intended for students who have no previous education in German. Beginning with basic grammar patterns, emphasis is on constant oral practice designed to lead to training in oral expression, reading and writing. An understanding of the German people and their culture is attained through reading and conversation. Intensive laboratory practice to implement classroom work.

Italian Course Descriptions

†IT 011–012 First Year
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 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 of short works, vocabulary building, composition, listening comprehension and conversation. Italian culture as reflected in literature and daily life is examined. 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 Middle Ages to present. Both canonical and lesser known works in several literary genres—novels, plays, poetry, essays, letters and other writings. Critical techniques introduced. Italian cultures 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 First Year
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 conversion. *Prerequisite:* JP 012 or equivalent.

Polish Course Descriptions

†PL 011–012 First Year
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 First Year 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 103–110 Professional Topics in Spanish 3 CR each
Course description varies each time the course is offered.

†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

†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 Spanish Literature 3 CR each
Course description varies each time the course is offered. Prerequisite: SP 101 and SP 102

†SP 261–262 Masterpieces of Spanish-American Literature I, II 3 CR each
Spanish-American literature from the Colonial period to the present. Prerequisites: SP 201 and SP 202 or permission of the chairperson

†SP 263–269 Special Topics: Spanish American Literature 3 CR each
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: Spanish 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. Prerequisite: SP 241 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 and 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

Leland Roberts, M.Mus.Ed., Professor

Required Courses for Music Minor or Associate Degree with Music Concentration 18 Credits

MU 111 Music in Western Civilization
MU 112 Music in America
MU 121 Musicianship I
MU 122 Musicianship II
Three credits in applied music and one additional music history or literature course

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 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. Pre-requisite: MU 121

MU 130-139 Applied Music 1-2 CR
Private or group music performance courses that may be repeated for credit. A maximum of 6 credits may be counted toward a degree. 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 Chorale 1 CR
Select mixed chorus. Prerequisite: Audition

MU 134 Chamber Orchestra 1 CR
Performs music for small orchestra from Baroque to present. Prerequisite: Audition

MU 135 Ensemble 1 CR
Woodwind, brass, string or vocal ensembles formed according to student interest. Prerequisite: Departmental permission
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 improvisatory 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
Edward J. Bordeau, Ph.D., Associate Professor
John E. Jalbert, Ph.D., Professor
Edward Papa, Ph.D., Associate 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
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
Philosophy (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
Presents the nature and basic concepts of logic, informal fallacies and 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 truth claims.
†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
Covers major philosophical, theological and scientific issues in cosmology. Creation, evolution and fate of the universe. Design and chance, freedom and determinism, God and the universe.

†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 231 Philosophy of Knowledge 3 CR
Addresses the conditions that make knowledge possible and the criteria of truth and falsity. Selected representative historical thinkers are studied. Prerequisite: PH 101

†PH 241 Medieval Philosophy 3 CR
Examines the Aristotelian tradition as developed within Islam, Judaism and Christianity. Prerequisite: PH 101

†PH 250 Historical Survey of Philosophy II 3 CR
Emphasis on 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 are studied. Prerequisite: PH 101

†PH 253 Philosophy of Law 3 CR
Examines the nature of law, principles of jurisprudence, crime and punishment, corrective justice and contracts. Prerequisite: PH 101

†PH 255 Political Philosophy 3 CR
Covers 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
Presents 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

†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 twentieth 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 moments in the development of the Western metaphysical tradition are studied, including 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 and Nishitani's *Religion and Nothingness*. Prerequisite: PH 101

†PH 283 The Philosophical Theology 3 CR
Examines 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.

†PH 306 Existentialism 3 CR
Addresses nineteenth- and twentieth-century existentialism, especially the thought of Kierkegaard, Nietzsche, Heidegger and Sartre. Prerequisite: PH 101

†PH 312 Philosophical Foundations of Marxism 3 CR
Focuses on the 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
Explores the interaction of American philosophical thought and the American experience as revealed in the philosophies of Edwards, Emerson, Royce, Peirce, James and Dewey. Prerequisite: PH 101

†PH 382 Problems in Contemporary Philosophy 3 CR
Topics, selected by the instructor, such as war and peace, near-death experience studies, the philosophical novel, new directions in philosophy or the crisis in professional ethics are studied. Prerequisite: PH 101

†PH 383 The Philosophy of St. Thomas Aquinas 3 CR
Covers 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
Physics
The physics curriculum, which is a non-major 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 is also offered for general interests.

Course Descriptions

†PY 090 Basic Astronomy 3 CR
Explores the universe briefly. Emphasis on the solar system and recent space explorations. Observations of the sky and/or visit(s) to planetarium.

†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 the 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
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 314 Middle East Politics
PO 315 Latin American 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
Political Science (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 compose 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.

†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. Goals and categories of minor parties are also discussed.

†PO 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 are studied.

†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.

†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.

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 twenty-first 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 given to the changing role of the post-Cold War United Nations.
College of Arts and Sciences

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 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 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. By examining the political systems of several states,
students explore the factors that have lead to political instability in this region—from discontinuity between formal and informal political structures, to new efforts to establish a democratic government.

**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 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.

**PO 330 Computer-Simulated Foreign Policy**  
3 CR  
Simulation of international political system. 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 351/LW 234/CJ 200 Constitutional Law**  
3 CR  
An inquiry into American constitutional law through the study of outstanding cases. Attention given to the development of constitutional doctrines and the processes of legal reasoning.

**†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 given to the balance between personal liberty and societal order.

**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.
Psychology

The Psychology program provides its students with a basic foundation in the scientific study of 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.

A broad spectrum of courses ranging from psychodynamics to experimental psychology is offered. Independent laboratory research programs, field experience and contemporary seminars are available to qualified students.

Faculty

Carol M. Batt, Ph.D., Associate Professor
Donald W. Brodeur, Ph.D., Professor
Maureen A. Conard, Ph.D., Assistant Professor
Kathryn A. LaFontana Ph.D., Assistant Professor
Edward W. Malin, Ph.D., Associate Professor
Christina J. Taylor, Ph.D., Associate Professor
Amy S. Van Buren, Ph.D., Assistant Professor

Major in Psychology

The major in Psychology requires the completion of 33 credits.

Required Courses

PS 101 General Psychology—Scientific Aspects
PS 102 General Psychology—Psychodynamics
PS 151 Statistics for the Behavioral Sciences
PS 152 Research Design and Analysis
PS 260–270 Experimental Psychology (two courses)
PS 351 Physiological Psychology
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—Scientific Aspects
PS 102 General Psychology—Psychodynamics
PS 382 Systems and Theories of Psychology
Three psychology electives. Only one experiential course may be applied to the minor.

Associate in Arts General Studies

Emphasis Requirements

Psychology (15 credits)
PS 101 General Psychology—Scientific Aspects
PS 102 General Psychology—Psychodynamics
Three psychology electives (only one experiential course may be taken)
Course Descriptions

†PS 101 General Psychology—Scientific Aspects 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—Psychodynamics 3 CR
A continuation of PS 101 covering personality development and assessment, behavior disorders, treatment and social factors. 
Prerequisite: PS 101

†PS 120 Drugs: Use and Abuse in Contemporary Society 3 CR
Examines the nature of drug use, legal and illegal, in contemporary society. Emphasis on the behavioral and physiological effects of psychoactive substances, addictions, rehabilitation strategies and ethical issues.

†PS 122 Sports Psychology 3 CR
This course is designed to provide information on and facilitate understanding of individual sport behavior. Emphasis on the psychological constructs and concepts that relate to and help explain the phenomena of sports performance. 
Prerequisite: PS 101

†PS 131 Dynamics of Behavior 3 CR
Considers the basic nature of both healthy and faulty patterns of human behavior. Topics include personality development, motivation, stress and adjustment.

†PS 133 Introduction to Clinical Psychology 3 CR
Provides an understanding of the 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.

PS 151 Statistics for the Behavioral Sciences 3 CR
An introduction to the basic concepts and techniques of statistics as they apply to behavioral 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. Prerequisite: C or better in two semesters of college-level mathematics

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 on the design of models for hypothesis testing, relation of theory to hypothesis and control of extraneous variables. Prerequisite: PS 151

†PS 161 Psychological Evaluation 3 CR
An overview of tests and other diagnostic procedures used by mental-health care professionals in evaluating children, adolescents and adults in a school or private setting.

†PS 171 Psychology of Women 3 CR
A survey and examination of 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 195 Health Psychology 3 CR
Focuses on the relationship between attitudes and personality factors and health. Emphasis on stress management and behavioral change methods for health improvement and maintenance. 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 215 Social Psychology: Microprocesses 3 CR
Shows how people are affected by the persons around them. Topics include person perception, first impressions, interpersonal attraction, nonverbal communication, romantic love, prejudice, stereotyping, aggression, conformity, obedience and environmental influences on behavior. Prerequisite: PS 101

†PS 241 Psychology of Personality 3 CR
Focuses on transactional analysis and the personality theories of Sigmund Freud, Carl Jung, Alfred Adler and Karen Horney. Prerequisite: PS 101 or permission of instructor.

†PS 242 Psychology of Personality II: The Existentialists 3 CR
Focuses on existentialist thinkers such as Kierkegaard, Sartre, Marcel, Buber, Frankl, Maslow and Allport.

†PS 252 Child Development Psychology 3 CR
This course traces development from conception through childhood, including basic concepts and theories as applied to the 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 on understanding theory, research, learning methods and techniques used in practice. Prerequisite: PS 101

PS 260–270 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 are required for major. Prerequisite: PS 152. Individual course names are as follows:
- PS 260 Psychometrics
- PS 261 Perception
- PS 262 Learning
- PS 263 Sensation
- PS 264 Emotions
- PS 265 Cognition
- PS 266 Social Psychology
- PS 267 Motivation
- PS 268 Social Developmental
- PS 269 Physiological
- PS 270 Industrial/Organizational

†PS 273 Adolescent Development 3 CR
An in-depth study of developmental and behavioral issues in adolescence. Emphasis 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 the 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 285 Psychological Counseling I 3 CR
Deals with the fundamental principles of counseling and the client-centered and rational-emotive approaches to counseling. 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 311 Abnormal Psychology 3 CR
Examines more serious types of disordered behavior, such as schizophrenia, brain damage, retardation, sexual deviations, alcoholism, etc. Prerequisite: PS 101 or permission of instructor

PS 321 Psychological Counseling II 3 CR
Presents further dimensions of the helping relationship and the approaches of reality, cognitive and Gestalt therapy. Audiotapes of students' counseling efforts are critiqued in class. Prerequisite: PS 285

PS 331 Psychological Tests and Measurements 3 CR
Examines the 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 will be presented. Prerequisite: PS 101

†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 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 152 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 Field Experience in Psychology 3 CR
Integrates theory and practice with supervised placement in agencies, schools or institutions. Seminars focus on career assessment, personal growth and work skills. Junior and senior Psychology majors and minors only. Prerequisites: PS 101, PS 102 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. Cerrera, Ph.D., Professor
Richard M. Grigg, Ph.D., Associate Professor
Christel J. Manning, Ph.D., Assistant Professor
Brian Stiltner, 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
Ten Religious Studies electives selected in consultation with a department advisor

Minor in Religious Studies
The minor in Religious Studies requires the completion of the following 18 credits.

Required Courses
RS 101 Introduction to the Study of Religion
Five religious studies electives selected in consultation with a department advisor

Associate in Arts General Studies
Emphasis Requirements
Religious Studies (15 credits)
RS 101 Introduction to the Study of Religion
Four religious studies electives

Course Descriptions
†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

*Open to both undergraduate and graduate students.
†RS 211* Introduction to the Hebrew Bible/Old Testament 3 CR
Development of the major traditions of the Hebrew Bible is studied. Emphasis on authorship of these traditions, why they were written and what historical circumstances to which they were responding. Prerequisite: RS 101

†RS 213* Comparative Religion 3 CR
Compares the 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 contemporary New Age movement. Prerequisite: RS 101

†RS 215* Biography in World Religions 3 CR
Biographical readings taken from the religious traditions of Christianity, Islam, Hinduism and Buddhism that explore the concept of the sacred life and the definition of the holy person. Prerequisite: RS 101

†RS 216* Religion and Politics 3 CR
Critical analysis of ideal and actual relationships between religion and politics in modern democratic society. Topics include religious right, feminist spirituality and Nation of Islam. Prerequisite: RS 101

†RS 217* Introduction to Western Traditions 3 CR
Explores history, beliefs and practices of Judaism, Christianity and Islam and the emergence of the contemporary Fundamentalist movement. Prerequisite: RS 101

†RS 218* Cults, Sects and New Religious Movements 3 CR
Explores history, beliefs and practices of new religions in America, including Mormonism, Unification Church, Christian Science, Scientology, Theosophy, New Age, Neopaganism and UFO cults. 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 224* The Gospel of John 3 CR
A critical interpretation of the Gospel of John. 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 on the parables of Jesus. Prerequisite: RS 101

†RS 230* The Death 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 then presented by the Gospel writers. Prerequisite: RS 101

†RS 232* Contemporary Religious Thinkers 3 CR
Representative writings of a specific religious thinker. Focuses 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 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 241 History of Christian Ethics 3 CR
A survey of the most important thinkers and documents in the history of Christian ethical reflection. 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. Includes study of particular figures such as Augustine. 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 248* Contemporary Protestant Thought 3 CR
Presents some of the most important Protestant theologians of the nineteenth and twentieth 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 John Calvin) and 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
Examines moral problems that involve a significant conflict of values in our contemporary pluralistic society, including sexual ethics, biomedical ethics (abortion, genetic engineering, behavior modification and euthanasia), revolution and violence, environmental quality, and population policy. Prerequisite: RS 101

†RS 258* Issues in Religious Ethics 3 CR
Presents important issues confronting the contemporary attempt to construct a philosophically and theologically adequate ethical methodology. Prerequisite: RS 101

†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 are studied. Prerequisite: RS 101

*Open to both undergraduate and graduate students.
†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
Explores 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 are studied). Prerequisite: RS 101

†RS 269* Sociological and Psychological Approaches to Religion 3 CR
Topics include theories and methods of research on religion, its provision of meaning to individuals and its exertion of power on social institutions. Off-campus research required. Prerequisite: RS 101

†RS 270* Religion, Business and Society 3 CR
Challenges arising from modern corporate business technology as viewed within the context of an incarnational theology of work and social responsibility are presented. 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 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 and 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

*Open to both undergraduate and graduate students.
RS 301 Roman Catholic Ecclesiology 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 piety. 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 the student for professional generalist social work practice at the beginning level and for graduate study. The baccalaureate degree program is accredited by the Council on Social Work Education.

Faculty

Elaine B. Davis, D.S.W., Director, Baccalaureate Social Work Program, Associate Professor
Patricia Carl-Stannard, M.S.W., Coordinator of Field Instruction, Assistant Professor

Major in Social Work

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, PO 121, 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 a G.P.A. 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
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
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 Social Work 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 Social Work 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. 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. Prerequisites: SO 254, SW 265 and PO 121

SW 267 Human Behavior and the Social Environment I 3 CR
Human development with emphasis on stages of the life cycle, human diversity, and on 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
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; corequisites: SW 378 and SW 379

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 on professional development, the use of research methods to evaluate one's own practice and application of theory from the entire 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, 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., Assistant 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 levels of analyses: microsociology, micro/macrosociology and macrosociology.

Microsociological Courses

SO 213 Marriage and the Family
SO 214 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 (9 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
Sociology (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 remarriage; 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 forms 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, including gains and losses in populations, business and industry are covered. 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

†SO 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

†SO 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

†SO 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

†SO 252 Social Class and Inequality 3 CR
Covers the distribution of wealth, power and prestige. The class structure, the urban “under class,” the poor, the homeless, the middle class and the super rich. Prerequisite: SO 200 for Sociology majors, all other students SO 101

†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 254 Society and Economic Change 3 CR
Emphasis 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

†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

†SO 258 Society and the Environment 3 CR
Studies the impact of society on the environment, including the impact of ecologi-
cal damage, pollution, deforestation, ero-
sion, depletion of nonrenewable resources
on society and the environmental move-
ment. Prerequisite: SO 200 for Sociology
majors, all other students SO 101

SO 319 Special Topics in
Microsociology 3 CR
Detailed and comprehensive analysis of a
microsociological issue or problem of cur-
rent interest. Specific topic is announced
in the course schedule of any given semes-
ter. Prerequisite: SO 200 for Sociology
majors, all other students SO 101

SO 332 Statistics for the Social
Sciences 3 CR
Focus on interpretation more than calcula-
tion. Meaning, purposes and limits of
statistics. Distributions, central tendency,
dispersion, estimates, inference, hypothesis
testing, analysis of variance, chi-square,
correlation and regression. Prerequisites:
SO 200 for Sociology majors, all other stu-
dents SO 101, and C or better in MA 102

SO 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 stu-
dents 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, pol-
lution and the use of dangerous pesticides.
Prerequisite: SO 200 for Sociology ma-
jors, all other students SO 101

SO 355 Changing Human
Populations 3 CR
Examines the continuing change in the
size, composition and geographic distribu-
tion of human populations at the local,
national and global levels. The impacts of
changing fertility, age structures, sex ra-
tios and birth, death and migration rates
are also 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
microsociological issue or problem of cur-
rent interest. Specific topic is announced
in the course schedule of any given semes-
ter. 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 contem-
porary sociological theory. The theoreti-
cal contributions of the major classical
theorists up to the middle of the twentieth
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 de-
signed to introduce the main currents of
contemporary sociological thought such as structuralism, poststructuralism, critical theory and postmodernism. **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. Examples. 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 is 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. **Prerequisite:** Senior standing

**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

Benoit N. Boyer, Ph.D., Dean and Professor of Accounting

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 in 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.

The college currently holds candidacy status from the American Association of Collegiate Schools of Business (AACSB), the national accreditation body.

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<th>Discipline</th>
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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., C.A., Professor
Karen Cascini, Ph.D.,C.P.A., Professor
Scott R. Colvin, M.B.A., C.P.A., C.M.A.,
Assistant Professor
Emmanuel Emenyonu, Ph.D., Assistant
Professor
Max Mittendorff, MBA., Assistant
Professor
Danny A. Pannese, M.S., C.P.A.,
Associate Professor
Daniel Shim, Ph.D., C.P.A., C.M.A.,
Associate Professor

Major in Accounting

The major in Accounting requires the completion of 51 major credits plus 6 credits in related fields. 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 Principles of Accounting I
AC 102 Principles of Accounting II
AC 201, 202 Intermediate Accounting I
and II
AC 301, 302 Advanced Accounting I and II
AC 313 Cost Accounting
AC 314 Managerial Accounting
AC 321 Auditing I
AC 322 Auditing II
AC 383 Federal Taxes I
AC 384 Federal Taxes II
BU 231, 232 Business Law I and II
BU 241 Business Statistics
EC 202 Principles of Economics II
FN 314 Financial Analysis

Required Supporting Courses

CS 100 Introduction to Data Processing
EC 201 Principles of Economics I

Recommended Electives

BU 201 Organization Management
MK 261 Principles of Marketing
Additional economics courses

Associate in Arts General Studies

Emphasis Requirements

Accounting (15 credits)
AC 101 Principles of Accounting I
AC 102 Principles of Accounting II
AC 201 Intermediate Accounting I
AC 202 Intermediate Accounting II
One accounting elective at the 300 level

Academic Requirements for AICPA Examination

The minimum academic requirements for those planning to take the American Institute of Certified Public Accountants (AICPA) examination in Connecticut are:
• a Bachelor’s degree from a regionally accredited college; and
• at least 46 semester hours from an accredited college in the study of accounting and related subjects, including but not limited to, business law, economics and finance—of which 24 semester hours are in the study of accounting.

In practical terms, the credits need to be taken are as follows:
• at least 24 semester hours in accounting;
• at least 3 semester hours each in business law, economics and finance; and a minimum of 13 semester hours in business and accounting electives.

Beginning in the year 2000 the AICPA will require candidates for the CPA examination to complete 150 credit hours of education. Plans have been initiated to address this new requirement. Students should check with their departmental advisors regarding compliance.

Course Descriptions

AC 101 Principles of Accounting I 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. Prerequisites: 27 credits, a GPA of at least 2.0, a C or better in MA 109, or permission of the Department Chair. Freshmen may receive departmental permission if they completed one year of high school accounting with a grade of B or better and at least a score of 450 on the Math SAT

AC 102 Principles of Accounting II 3 CR
Continues the study of financial accounting with emphasis on the corporate form of business organization. In addition, managerial accounting offers an overview of analytical accounting tools used to analyze business operations. Individual and team-based problems and cases are used to examine global and ethical dilemmas resulting from conflicting management processes and objectives. Prerequisite: AC 101

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 102

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 201

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 tran-
script. 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 313, AC 314 and Senior standing

AC 302 Advanced Accounting II 3 CR
Covers topics such as accounting for partnerships, 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 301 and Senior standing

AC 313 Cost Accounting 3 CR
Explores the essentials of providing accurate, relevant product cost information to both international and domestic operating managers. Ethical aspects of each of these areas are examined. Written assignments, case studies and team discussions comprise much of the classroom interaction. Prerequisites: AC 102

AC 314 Managerial Accounting 3 CR
Examines issues involved in formulating the planning process for an organization. Emphasis is given to budgeting, operations analysis, ethical responsibilities and transfer pricing for multinational corporations. Team interaction, case studies and presentations are an integral part of the learning environment. Prerequisite: AC 313

AC 321 Auditing I 3 CR
Studies audit practices used by independent public accountants in examining accounting records and statements. Emphasis on "generally accepted auditing standards" of evaluation of internal control as well as ethical issues. Prerequisite: AC 202

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 321

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 102 and Senior standing or permission of the instructor. AC 383 and AC 384 should be taken within the same academic year.

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. Prerequisite: AC 383
Economics

The Economics program is intended for highly motivated students interested in a career in business, government or teaching. The program is also designed to satisfy the needs of students who participate in double majors or major/minor combinations with other fields.

Faculty

Thomas D. Corrigan, Ph.D., Associate Professor
Ramzi N. Frangul, Ph.D., Associate 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

BU 241 Business Statistics
EC 201 Principles of Economics I
EC 202 Principles of Economics II
EC 221 Intermediate Microeconomic Analysis

or

EC 313 Managerial Economics
EC 301 Intermediate Macroeconomic Analysis

EC 302 Money and Financial Institutions
EC 341 History of Economic Thought
Four economics electives

Minor in Economics

The minor in Economics requires the completion of 18 credits.

Required Courses

EC 201 Principles of Economics I
EC 202 Principles of Economics II
Four economics electives at the 200 level or higher

Associate in Arts General Studies

Emphasis Requirements

Economics (15 credits)
EC 201 Principles of Economics I
EC 202 Principles of Economics II
Three economic electives

Course Descriptions

†EC 101 Introduction to Economics 3 CR
Introductory course for the nonbusiness major. Provides a foundation in the workings of the economy. Describes and analyzes major concepts and issues of macroeconomics and microeconomics. Examines key institutions including the Federal Reserve System, corporations and labor unions.

†EC 201 Principles of Economics I 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. Pre-requisite: MA 109

†EC 202 Principles of Economics II 3 CR
An introduction to basic microeconomics principles. Topics include supply and de-
mand, 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
Analyses 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: MA 109

EC 243 U.S. Economic and Financial Development 3 CR
Surveys the development of the U.S. economy from the Colonial period to the present. Topics include national income and its distribution, money and banking, capital accumulation, land and population, agriculture, manufacturing, transportation and commerce, labor unions, business enterprise, and the performance of the economy.

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 303 Global Macroeconomics 3 CR
Examines major macroeconomic relationships in an open economy framework. Emphasis on analytical and empirical aspects of foreign exchange trading, balance of payments and international monetary systems. Analyses provide an understanding of international stabilization policies and their impact on an individual firm's plans regarding foreign commodity and capital exchange. Prerequisite: EC 301

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: BU 241 and EC 202

EC 322 International Economics 3 CR
Examines international trade theory and policy, balance of payment mechanisms and international monetary systems. Emphasis 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 323 Economic Stabilization Programs in Latin America 3 CR**
Explores the process that has yielded different levels of economic growth, poverty and equity in Latin America since 1950. Economic programs aimed at overcoming inflation, external debt, budget deficits and inequity of income distribution in Mexico, Argentina, Chile and Brazil are examined. The course examines the role of exchange rate policies and capital transfers in shaping stabilization policies. Political conditions, such as the role of ideology and interest groups, are also analyzed.

**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 the 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 325 European Economic Community 3 CR**
Since its inception in the mid-1950s, European economic integration has followed a slow and uncertain course. However, movement towards that goal has accelerated in recent years. This course looks at the goals and aspirations of a unifying Europe. It examines the pros and cons of the issue—not all Europeans favor integration—and reviews recent and prospective developments.

**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 Development 3 CR**
Traces the development of the European economy from the Middle Ages to the present. Topics include agriculture, commerce, industry, money and banking, business fluctuations, economic integration and foreign investment.

**EC 344 Comparative Economic Systems 3 CR**
Studies the various systems by which societies organize their economic activities. Countries examined include the former Soviet Union, China, Japan, England, Sweden and Yugoslavia. *Prerequisites:* EC 201 and EC 202

**EC/FN 373 Public Finance 3 CR**
Examines the role of government in relation to national income allocation and income distribution. Principles guiding the allocation of resources between the private and public sectors, expenditure and theory, including cost-benefit analysis. Discusses the impact of taxes on the distribution of income and explores expenditure programs, their nature, importance, purpose and economic effects. *Prerequisites:* EC 201 and EC 202

**EC/FN 386 Japan: The Economic and Financial System 3 CR**
Examines the structure and operations of the Japanese economy and its financial system. Students explore what makes this finely tuned machine “tick” in numerous
innovative ways. Topics include economic policies and growth, financial markets and international finance, industrial structure and policy, international trade, public financial fiscal policy and U.S.–Japan economic conflicts. *Prerequisites:* EC 201 and EC 202

**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 nonmajors. *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:* BU 241 or equivalent
Finance

The Finance curriculum is designed to develop the student’s finance knowledge and skills for professional positions in financial institutions, corporations, governmental and nonprofit institutions. These facilities include commercial and savings banks, brokerage firms, investment banking institutions, insurance companies and the finance departments of corporations and governments.

Faculty

John T. Gerlach, M.B.A., Senior Business Executive in Residence, Associate Professor
Ralph Lim, M.B.A., Associate Professor
Susan M. Mangiero, Ph.D., Assistant Professor

Major in Finance

The major in Finance requires the completion of 51 major credits plus 6 credits in related fields. 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 Principles of Accounting I
AC 102 Principles of Accounting II
BU 201 Organization Management
BU 202 Organizational Behavior
BU/CA 221 Business Communications
BU 231 Business Law I
BU 241 Business Statistics
BU 257 Business Ethics
BU 301 Business Policy
EC 202 Principles of Economics II
EC 302 Money and Financial Institutions
FN 215 Financial Management
FN 251 Corporate Finance
FN 315 Investments
MK 261 Principles of Marketing
And two of the following:
FN 241 Financial Markets: Structure and Performance
FN 314 Financial Analysis
FN 316 International Financial Management
FN 317 Portfolio Management
FN 318 Current Problems in Finance
FN 386 Japan: The Economic and Financial System
Additional Required Supporting Courses
CS 100 Introduction to Data Processing
EC 201 Principles of Economics I

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, firm’s cost of capital and basic portfolio theory. Prerequisite: AC 102

FN 241 Financial Markets: Structure and Performance 3 CR
Analyzes major individual, money and capital markets, including government securities markets and various stock and bond markets. Topics include determination of the level and structure of interest rates, sources and uses of funds, influence of the Federal Reserve on financial markets, regulatory structure and relations among these markets. Prerequisites: EC 201 and 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. \textit{Prerequisite:} FN 215

\textbf{FN 299 Special Topics in Finance} \hspace{1cm} 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.

\textbf{FN 314 Financial Analysis} \hspace{1cm} 3 CR

Develops students' ability to analyze financial statements in order to determine both asset value and earning capacity of the public corporation's securities. Requires an understanding of the positive and negative effects of operating and financial leverage, as well as ratio analysis as it concerns the capitalization, stock and bond markets. Proof of students' ability lies in the preparation of an analysis of annual report of a major, publicly held corporation. \textit{Prerequisite:} AC 202 or FN 215

\textbf{FN 315 Investments} \hspace{1cm} 3 CR

Introduces different types of securities investments available to the institutional and private investor. 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. \textit{Prerequisite:} FN 215

\textbf{FN 316 International Financial Management} \hspace{1cm} 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. \textit{Prerequisites:} FN 215 and EC 202

\textbf{FN 317 Portfolio Management} \hspace{1cm} 3 CR

Examines price behavior and techniques of securities, portfolio structuring and stock selection for both institutions and personal portfolios. Topics include an introduction to modern portfolio theory, capital pricing and valuation techniques and the theory of the efficient market. \textit{Prerequisite:} FN 315

\textbf{FN 318 Current Problems in Finance} \hspace{1cm} 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. \textit{Prerequisite:} FN 215 or departmental permission

\textbf{FN 319 Financial Risk Management: Futures, Options and Swaps} \hspace{1cm} 3 CR

Examines the proliferation of off-balance sheet products—options, futures and swaps—and how they can be used to manage interest rate and currency exposure. The history of each market is reviewed. Product description and transaction structures are examined. Case studies are used to work through simulations of real business world applications of these products. \textit{Prerequisite:} FN 315; completion of FN 241 is suggested, but not required
FN/EC 373 Public Finance  3 CR
Examines the role of government in relation to national income allocation and income distribution. Principles guiding the allocation of resources between the private and public sectors, expenditure and theory, including cost-benefit analysis. Discusses the impact of taxes on the distribution of income and explores expenditure programs, their nature, importance, purpose and economic effects. Prerequisites: EC 201 and EC 202

FN/EC 386 Japan: The Economic and Financial System  3 CR
Examines the structure and operations of the Japanese economy and its financial system. Students explore what makes this finely tuned machine "tick" in numerous innovative ways. Topics include the economic policies and growth, financial markets and international finance, industrial structure and policy, international trade, public financial fiscal policy and U.S.-Japan economic conflicts. Prerequisites: EC 201 and EC 202

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 extensively examined as well as cointegration tests, ARMA and ARIMA procedures, causality tests and recursive stability tests. Computer applications are examined in depth. Prerequisite: BU 241 or equivalent
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

Madan Annavarjula, Ph.D., Assistant Professor
Darryl C. Aubrey, Sc.D., Associate Professor
Raghunath Shashi V. Date, Ph.D., Professor
B. Elango, Ph.D., Assistant Professor
Rawlin A. Fairbaugh, Ed.D., Associate Professor
Nancy S. Frydman, Ed.D., Associate Professor
Theresa I. Gonzales, Sc.D., Assistant Professor
Edward W. Gore, D.P.S., Assistant Professor
Michael D. Larobina, J.D., Assistant Professor
George F.R. Miller, M.B.A., Professor
Diana D. Mrotek, Ph.D., Associate Professor
Camille P. Reale, M.S., Professor
Matthew H. Roy, Ph.D., Assistant Professor
Gad J. Selig, D.P.S., Assistant Professor
Laurence M. Weinstein, Ed.D., Professor
Barbara S. Zuffa, Ed.D., Associate Professor

Major in Business Administration

The major in Business Administration requires the completion of 51 major credits plus 6 credits in related fields. 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, Legal Administration, Management, Marketing and Sports Management.

Required Courses for Concentrations in International Business, Management, Marketing and Sports Management

AC 101 Principles of Accounting I
AC 102 Principles of Accounting II
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 241 Business Statistics
BU/IB 278 Principles of International Business
BU 301 Business Policy
EC 202 Principles of Economics II
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 Sports Management Concentration

Three Sports Management electives from the following courses:
- SM 206 Organization and Administration of Sports
- SM 222 Sports Communications
- SM 235 Sports Law
- SM 265 Sports Marketing
- SM 210 Human Resource Management: The Sports Environment

Additional Required Courses for Marketing Concentration

Three marketing electives

Required Supporting Courses for All Business Administration Concentrations

CS 100 Introduction to Data Processing
EC 201 Principles of Economics I

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 Principles of Accounting I
- AC 102 Principles of Accounting II
- BU 103 Business: Its Nature and Environment
- BU 201 Organization Management
- BU 202 Organizational Behavior
- BU 231 Business Law I
- EC 202 Principles of Economics II
- MK 261 Principles of Marketing

Required Supporting Course

EC 201 Principles of Economics I

Minor in Sports Management

The minor in Sports Management requires the completion of 18 credits.

Required Courses

- SM 206 Organization and Administration of Sports
- SM 222 Sports Communications
- SM 235 Sports Law
- SM 210 Human Resource Management: The Sports Environment
- HI 129 History of Sports in America

Two electives from the following courses:
- SM 210 Human Resource Management: The Sports Environment
- SM 265 Sports Marketing
- PS 122 Sports Psychology
- SO 122 Sociology of Sports

Associate in Arts General Studies

Emphasis Requirements

Business (18 credits)
- AC 101 Principles of Accounting I
- BU 103 Business: Its Nature and Environment (may be waived by chairperson)
- BU 201 Organization Management
- BU 202 Organizational Behavior
- EC 101 Introduction to Economics or EC 201 Principles of Economics I or EC 202 Principles of Economics II
- One business elective

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, leadership, group behavior, organizational change, planning, control and allocation resources. Lecture and case study format. Prerequisites: BU 103, EN 012, MA 109, and Sophomore standing

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. Prerequisite: BU 201

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 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 even from region to region. Students come to understand these differences and to learn not to rely on self-referential criteria. Prerequisites: BU 201 and BU 202

BU/SM 206 Organization and Administration of Sports 3 CR
Examines the fundamental concepts of planning, organizing, leading and controlling the sports environment. It focuses on management fundamentals and provides a basis for solving unexpected problems and dealing with different environments and new situations. Ultimately, students develop a model of organization and administration designed to achieve the goals of the sports organization.

BU 210 Office Management for the Administrative Assistant 3 CR
Covers fundamental supervisory practices and analyzes the most important skills required in performing the supervisory/management function. The basic considerations of leadership, motivation, communications and organizing administrative office operations are explored. The managerial process is examined, including personnel practices, budget planning and control, and information and records management.

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/MS/SM 222 Sports Communications 3 CR
Examines the fundamentals needed to implement a program in sports information, publicity and promotions. Preparation of news releases; local features; hometown features; publication of programs and brochures; statistical breakdowns; dealing with the local, regional and national press and the promotion of specific events, teams and individuals are included. Prerequisites: C or better in EN 011, EN 012, CA 021 and MS 101

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. Prerequisites: EN 012 and CA 021

BU/IB 233 International Business Law 3 CR
A general survey of international law including treaties and international organizations. Topics include the European community, the North American Free Trade Agreement, international contracts and international payment mechanisms. Prerequisite: BU 231

BU/SM 235 Sports Law 3 CR
Explores the relationship of the law to organized sports. Provides professionals in athletics with basic knowledge of the wide range of legal principles that relate to the performance of their duties. A major focus is a review of judicial opinions on legal issues that have frequently arisen in cases involving organized athletics. Prerequisites: EN 012 and CA 021

BU 241 Business Statistics 3 CR
Introductory study in statistics for Business Administration students. Problem-oriented course discussing statistics as it is used, frequency distribution, probability sampling, hypothesis testing, correlation analysis, linear regression analysis and graphic presentation of statistical material. Prerequisites: C or better in MA 109 and MA 110

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. Prerequisites: PH 101 and BU 201

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. Prerequisites: BU 201 and Senior standing

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 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. Prerequisite: BU 201

HR/SM 210 Human Resource Management: The Sports Environment 3 CR
Explores issues arising from the management of human resources in the sports environment. Processes examined include the procurement, development, and maintenance of the sports organization’s human resources; selection, training, motivation, remuneration, and labor relations. Prerequisites: BU 201 or BU 206

HR/LW 236 Employer/Employee Law 3 CR
Provides an 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 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 309 Problems in Managing Human Resources 3 CR
Case study and discussion of advanced problems in industrial relations and human resource management. Emphasis on the problems of the senior personnel executive. Prerequisite: Permission of instructor

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: 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. Prerequisite: BU 201

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 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/SM 265 Sports Marketing 3 CR
Explores issues in the sales, promotion, production and marketing of professional sports franchises, sports-related programs and facilities and other sports-related materials and services. Prerequisite: BU 201 or BU 206

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. Consult the current course schedule for available topics and current prerequisites.

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.

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. Prerequisites: BU 201 and BU 241

Sports Management Course Descriptions

SM/BU 206 Organization and Administration of Sports 3 CR
Examines the fundamental concepts of planning, organizing, leading and controlling the sports environment. Focuses on management fundamentals and provides a basis for solving unexpected problems and dealing with different environments and new situations. Ultimately, students develop a model of organization and administration designed to achieve the goals of the sports organization.

SM/HR 210 Human Resource Management: The Sports Environment 3 CR
Explores issues arising from the management of human resources in the sports environment. Processes examined include the procurement, development and maintenance of the sports organization's human
resources; selection, training, motivation, remuneration and labor relations. **Prerequisite:** BU 201 or BU 206

**SM/BU/MS 222 Sports Communications** 3 CR
Examines the fundamentals needed to implement a program in sports information, publicity and promotion. Preparation of news releases; local features; hometown features; publication of programs and brochures; statistical breakdowns; dealing with the local, regional and national press; and the promotion of specific events, teams and individuals are included. **Prerequisites:** C or better in EN 011, EN 012, CA 021 and MS 101

**SM/BU 235 Sports Law** 3 CR
Explores the relationship of the law to organized sports. Provides athletics professionals with the basic knowledge of the wide range of legal principles that relate to the performance of their duties. A major focus is a review of judicial opinions on legal issues that have frequently arisen in cases involving organized athletics. **Prerequisites:** EN 012 and CA 021

**SM/MK 265 Sports Marketing** 3 CR
Explores issues in the sales, promotion, production and marketing of professional sports franchises, sports-related programs and facilities and other sports-related materials and services. **Prerequisite:** BU 201 or BU 206
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

Madan Annavarjula, Ph.D., Assistant Professor
Karen T. Cascini, Ph.D., Professor
Thomas D. Corrigan, Ph.D., Associate Professor
B. Elango, Ph.D., Assistant Professor
Emmanuel Emenyonu, Ph.D., Assistant Professor
Edward W. Gore, D.P.S., Assistant Professor
Michael D. Larobina, J.D., Assistant Professor
Diana D. Mrotek, Ph. D., Associate Professor
Lucjan T. Orlowski, Ph.D., Professor
Matthew H. Roy, Ph.D., Associate Professor
Gad Selig, D.P.S., Assistant Professor

Major in International Business

The International Business major requires 51 credits plus 6 credits in related supporting courses and all other B.A. requirements including a foreign language.

Required Courses

AC 101 Principles of Accounting I
AC 102 Principles of Accounting II
BU 201 Organization Management
BU 202 Organizational Behavior
BU/CA 221 Business Communications
BU 231 Business Law I
BU 241 Business Statistics
EC 202 Principles of Economics II
FN 215 Financial Management
FN 316 International Financial Management
IB/BU 203 Intercultural Management
IB/BU 233 International Business Law
IB/MK 264 International Marketing
IB/BU 278 Principles of International Business
IB/BU 302 Ethics and International Business Policy
MK 261 Principles of Marketing
PD 275 Principles of Production and Inventory Control

Required Supporting Courses

CS 100 Introduction to Data Processing
EC 201 Principles of Economics I
MA 110 Calculus for Decision Making

Course Descriptions

IB/BU 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 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. Prerequisites: BU 201 and BU 202

IB/BU 233 International Business Law 3 CR
Surveys international law, including treaties and international organizations. Topics include the European community, the 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 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. Prerequisites: BU 201 and Senior standing

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 (i.e., European Union, Japan, Inc., trade areas: North America, Europe, Pacific, etc.). Students give oral and written presentations. Guest speakers from the business community augment the course. Prerequisite: Senior standing
Legal Assistant and Legal Administration

Faculty
Sarah Donahue, M.B.A., Director

Associate in Science Legal Assistant Program

The two-year Legal Assistant 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 legal assistant. 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 Admissions Committee 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 degree in Business Administration with a concentration in Legal Administration.

Required Courses
AC 101 Principles of Accounting I
AC 102 Principles of Accounting II
CA 021 Effective Communication
CS 100 Introduction to Data Processing
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 Civil Procedures
PS 101 General Psychology—Scientific Aspects
Four liberal arts electives

Legal Administration Concentration

The baccalaureate degree in Business Administration with a concentration 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.

Required Courses for Legal Administration Concentration
AC 101 Principles of Accounting I
AC 102 Principles of Accounting II
BU 201 Organization Management
BU 202 Organizational Behavior
BU 241 Business Statistics
EC 202 Principles of Economics II
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

6 additional credits of elective law courses

**Course Descriptions**

**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. The principles of agency law are also discussed.

**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 memoranda on problems involving questions of substantive law procedure and legal ethics. Corequisite: 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 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. Corequisite: LW 102

**LW 161 Legal Office Procedures 3 CR**
Studies the workflow 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.

**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.

**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.
LW 203 Estates, Probate and Taxation 3 CR
Studies the 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.

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 234/PO 351 Constitutional Law 3 CR
Explores American constitutional law through the study of outstanding cases. Emphasis 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 the legal aspects pertaining to employment of personnel/human resources, including an introduction to legislation and the regulatory process, equal employment opportunity, Working Persons’ Compensation, job health and safety. Emphasis on compensation and benefit plans. Instruction is through case study and analysis of pre-prepared employment documents.

LW 238 Litigation and Civil Procedures 3 CR
Discusses the 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: LW 201 or BU 231

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 the effects of environmental compliance, risk management and hazardous waste clean-up issues on the business community.

LW 244 Administrative Law 3 CR
A practical introduction to the field of administrative law. Students analyze statutes v. regulations.

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/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 the nature of law, political influence in judicial decision making, court organization, judicial recruitment and the judiciary’s powers and limitations of the judiciary.

LW/PO 352 The First Amendment 3 CR
Examines United States 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.
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 ten 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 Principles of Accounting I (AIB 1000 Accounting I)
AC 102 Principles of Accounting II (AIB 1010 Accounting II)
BU 201 Organization Management (AIB 4140 Management)
EC 201 Principles of Economics I (AIB 2310 Economics)
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 American Institute of Banking (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 Accounting I (AC 101 Principles of Accounting I)
AIB 1010 Accounting II (AC 102 Principles of Accounting II)
AIB 1350 Money and Banking (EC 302 Money and Financial Institutions)
AIB 1370 Principles of Banking (EC 302 Money and Financial Institutions)
AIB 2090 Data Processing (Elective)
AIB 2310 Economics (EC 201 Principles of Economics)
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.
College of Education and Health Professions
College of Education and Health Professions

Patricia W. Walker, Ed.D., Dean and Professor of Medical Technology

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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Teacher Education

The Teacher Education program offers a professional curriculum approved by the state of Connecticut for certification as elementary, middle school and secondary school teachers. 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

Daniel S. Christianson, Ed.D., Assistant Professor
Marcia A. B. Delcourt, Ph.D., Associate Professor
Jane Gangi, Ph.D., Assistant Professor
Lauren Kempton, Ed.D., Assistant Professor
Nancy Klein, Ed.D., Assistant Professor
Lois A. Libby, Ph.D., Associate Professor
Karl M. Lorenz, Ed.D., Clinical Assistant Professor
Sondra Melzer, Ph.D., Assistant Professor
Edward T. Murray, Ph.D., Associate Professor
Terry Neu, Ph.D., Assistant Professor
Steven D. Ostrowski, Ph.D., Assistant Professor
Brian Perkins, Ed.D., Assistant Professor
Stephen Rubin, Ph.D., Associate Professor
A. Harris Stone, Ed.D., Professor and Chair

Mission

The Education programs for teachers at Sacred Heart University carry out the mission of the University: "To prepare men and women to live in and make their contributions to the human community."

From these two values, personal dignity and community service, two principles form the basis of the education programs:

1. Effective teaching is not a result of what one does, but who one is. There is a direct correlation between the level of professional effectiveness and the level of personal, intellectual, emotional, social and moral maturity attained through scholarship, reflection and interaction with communities of learners.

2. Teaching is a calling centered on service to the community, especially to children and youth. Becoming a teacher requires a commitment to the pursuit of a path of change and growth that reflects an ever-changing society.

In keeping with these principles, the objectives of the Education programs at Sacred Heart University are:

- To promote personal excellence through a solid academic background in the liberal arts.
- To promote personal excellence through a study of self with the aim of helping students reach an appropriate level of
intellectual, emotional, social and moral maturity.

- To help teachers investigate, critically analyze and, with personal commitment, affect change in anything that is unjust or inadequate in a school community.
- To provide a field-based approach to the education of teachers in order to integrate theory and practice, while developing skill in solving complex problems in an ever-changing society.
- To prepare students to be practically and professionally effective as teachers.
- To promote an understanding of the complexities of the familial and social contexts and their impact on children and on the role of the educator.
- To continue the University's commitment to provide the school community with exemplary school personnel and to be a center for the improvement of education.

Teacher Certification Programs

The Education Department offers three teacher certification programs: the Elementary School program prepares teachers of children in grades one to six of an elementary school; the Middle School program prepares teachers of an academic subject in a middle school setting; 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 I (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 your suitability as a prospective teacher.
- Be interviewed by members of the Faculty of Education.
- Maintain a GPA of 2.75.

The programs for elementary, middle school and secondary certification require the completion of 36 credits in an approved professional education sequence in addition to 39 additional University approved credits.

The 36 credits include core and specialization courses:

Core Courses (21 Credits)

ED 101 Educational Psychology
(Elementary, Middle School, Secondary)

ED 152 Education in the United States
(Elementary, Middle School, Secondary)

ED 205 Education of Special Needs Students (Elementary, Middle School, Secondary)

ED 207 Classroom Management
(Elementary, Middle School, Secondary)

ED 271 Introduction to Computers in Education (Elementary, Middle School, Secondary)
ED 272 Societal Issues in Adolescence (Secondary)
ED 377 Child Development Observation and Case Studies (Elementary)
Ed 385 Observation and Case Studies of Learners (Middle School, Secondary)
ED 387 Children’s Literature (Elementary)
ED 388 Middle School Literature (Middle School)

Specific Certification Courses (15 Credits)

Elementary
ED 221 Elementary Methods of Teaching 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 391 Student Teaching: Elementary School

Middle School
ED 224 Middle School Curriculum and Methods: Mathematics and Science
ED 225 Middle School Curriculum and Methods: Social Studies and Health
ED 228 Middle School Curriculum and Methods: Reading, Writing and Language Arts
ED 393 Student Teaching: Middle School

Secondary
ED 262 Secondary Curriculum
ED 264 Secondary Methods: Business; English; Math; Science; Social Studies; Spanish
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 Education 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 Methods of Teaching 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 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 224 Middle School Curriculum and Methods: Mathematics and Science 3 CR
Studies current practices in applied learning and curriculum development in grades four to eight with emphasis on interdisciplinary instruction. Field experience and observation are integral parts of this course.

ED 225 Middle School Curriculum and Methods: Social Studies and Health 3 CR
Explores current practices in applied learning and curriculum development in middle school grades. Covers health education issues in middle grades as well as means of incorporating other areas of humanities and technology into social studies instruction. Field experience and observation are integral parts of this course.

ED 228 M.S. 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 262 Secondary Curriculum 3 CR
Explores national and state curriculum standards for grades seven to twelve. Philosophical, psychological and practical implementation of curriculum in the secondary classroom is emphasized. Students develop subject specific curriculum appropriate to secondary disciplines.

ED 264 Secondary Methods 3 CR
Examines various methods of instruction applicable to all academic areas. Students plan and teach micro-lessons 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 299 Special Topics in Education 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. Prerequisite: Approval of Chairperson

ED 342 Teaching Reading and Writing in 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, thematic units and utilize subject specific tradebooks. In addition, students learn strategies for developing positive attitudes toward reading and writing as lifetime skills.

ED 377 Child Development: Observation and Case Studies of Learners 3 CR
This course integrates the study of developing child from birth through the middle years with an observation of a child done within the context of weekly “service learning” work in an elementary or early childhood classroom. The interaction between cognitive, social, emotional and physical development is emphasized. Major developmental theories are critically examined within a social context. Students learn to use a variety of observational approaches and recording techniques to increase their understanding of the normal development of children in classroom settings.

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 388 Middle School Literature 3 CR
Examines popular literature appropriate to grades four through eight. Developmental chapter books, series books, Newbery Award–winning books and both fiction and nonfiction are emphasized. Focuses on means of incorporating literature into the curriculum and developing thematic studies. Ten young adult novels are read during the semester.

ED 391 Student Teaching: Elementary School 6 CR
ED 393 Student Teaching: Middle School 6 CR
ED 395 Student Teaching: 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 399 Independent Study 3-9 CR
Directed individual study of an approved specific problem or special topic not covered by, or that goes beyond the scope of, regular course offerings. Prerequisite: Approval of Chairperson required.
Human Movement and Sports Science

This undergraduate program is designed to prepare students interested in careers in athletic training, fitness and exercise science. This curriculum provides the coursework and the clinical field work experience necessary for national athletic training certification. Also, the curriculum is designed so as to include the prerequisite course work typically required by graduate programs in physical therapy, exercise physiology and some other health professions. The curriculum can be articulated with the University’s Graduate Physical Therapy Program for students seeking preparation in athletic training at the undergraduate level and in physical therapy at the graduate level.

The curriculum has four components: the University Core requirements, prerequisites, major requirements and field work. The field work component is optional, required only for students seeking athletic training certification. Prerequisite coursework can begin in the first year of study, and major requirements can begin in the second year of study. Field work occurs in the third and fourth years of study.

Classroom and laboratory facilities are located in the William H. Pitt Health and Recreation Center.

Faculty

Gail Samdperil, M.A.T., A.T.C., Clinical Assistant Professor and Curriculum Coordinator
William Nowlan, M.Ed., A.T.C., Clinical Assistant Professor

Major in Human Movements and Sports Science

The major requires the completion of 35 credits plus 23 credits of prerequisite courses.

Major Requirements

PS 195 Health Psychology
BI 131, BI 132 Anatomy and Physiology I and II and labs
AT 100 Introduction to Athletic Training
AT 200 Kinesiology
AT 250 Exercise Physiology
AT 255 Nutrition for Athletics
AT 275 Adapted Physical Activities
AT 300 Advanced Athletic Training
AT 350 Therapeutic Modalities
AT 351 Therapeutic Exercise

Prerequisite Requirements

BI 111, BI 113 Concepts in Biology I and lab
BI 112, BI 114 Concepts in Biology II and lab
CH 151, CH 153 General Chemistry I and lab
CH 152, CH 154 General Chemistry II and lab
PY 100 or above Elements of Physics
MA 131 Statistics for Decision Making

Major Electives:

AT 150 CPR and Responding to Emergency Situations
AT 375 Athletic Training Administration

Course Descriptions

AT 100 Introduction to Athletic Training 3 CR
Introduction of the profession of athletic training. Provides basic understanding of the care, prevention of athletic injuries. Incorporates the fundamentals of emergency care.
AT 150 CPR and Responding to an Emergency 3 CR
Practical experiences and theoretical knowledge leading to certification by the American Red Cross.

AT 200 Kinesiology 3 CR
The study of basic mechanical and kinesiological principles and their functions, interrelationships and involvement with the mechanics of human motion. Prerequisite: PY 112

AT 250 Exercise Physiology 3 CR
Presents a workable knowledge of the body's response to physical activity. General physiological process including metabolism, gas transport and pulmonary function, cardiovascular function, muscular function, neural control, and other related topics. Emphasis on the effects of exercise on these systems. Prerequisite: BI 132

AT 255 Nutrition for Athletes 3 CR
This course examines the nutrient and food energy needs of the physically active.

AT 275 Adapted Physical Activities 3 CR
Physical and psychological consultations and problems in adapting physical activities to individual needs of handicapped people; standard classifications; exercises and adaptations appropriate for each classification.

AT 300 Advanced Athletic Training 3 CR
Provides a thorough understanding of the care, prevention and rehabilitation of athletic injuries. Prerequisites: BI 132 and AT 100

AT 350 Therapeutic Modalities 3 CR
The study and application of therapeutic modalities for the treatment of athletic injuries. Modalities may include superficial heat and cold, hydrotherapy, intermittent compression units, ultrasound, electrostimulation. Prerequisite: AT 300

AT 351 Therapeutic Exercise 3 CR
Methods of evaluating students and design of individual exercise programs for students with temporary or permanent physical limitations. Prerequisite: AT 300

AT 375 Athletic Training Administration 3 CR
Administrative problems in the athletic training department. Major areas include program organization, developing a budget, legal aspects and record keeping.
Nursing

The Nursing program (B.S.) 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

Anne M. Barker, Ed. D., Associate Professor
Susan M. De Nisco, M.S.N., RPRA, Instructor
Kathleen S. Fries, M.S.N., RN, Instructor
Carol A. Kravitz, M.S.N., APRN, Clinical Associate Professor
Judith L. Lynch, Ph.D., (c), RPRA, Clinical Associate Professor
Linda L. Strong, Ed. D., Assistant Director, Undergraduate Nursing Programs, Assistant Professor
Glee I. Wahlquist, Ph.D., Clinical Professor
Constance E. Young, Ed.D., Acting Director, Nursing Programs; Associate Professor

Nursing Laboratory

The University has a nursing laboratory equipped with exam tables, hospital beds and computers. The laboratory is designed for courses in nursing practice fundamentals, health assessment and pharmacology. Under the direction of faculty and RN laboratory assistants, students practice skills and demonstrate competency of 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 time, the laboratory is open and staffed for student’s individual practice in the evenings and on weekends.

Major in Nursing

Two areas of concentration are offered in the Nursing major: First Professional Degree program and Nursing Completion Program.

First Professional Degree Program

The fully accredited B.S. 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 admitted 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. Up to 30 students are accepted yearly into the first professional degree program.

Admission is competitive and predominately based on scholarly achievement during the first year of coursework. To receive a baccalaureate degree in Nursing, the first professional degree student must complete 125 credit hours of study, 68 credit hours in prescribed general education courses, 57 credit hours in the major, and maintain an overall GPA of 2.5 with no grades lower than a C.
Prerequisite Courses for Application to the B.S. in Nursing Program

BI 131 Human Anatomy and Physiology I
BI 132 Human Anatomy and Physiology II
CH 090 Principles of Chemistry
CH 095 Principles of Organic and Biochemistry
MA 105 Math Applications for Health Sciences
PS 101 General Psychology—Scientific Aspects
PS 252 Child Development Psychology
SO 101 Sociology: An Introduction
EN 011 Introduction to Rhetoric
EN 012 Rhetoric: The Research Paper

Additional Required Courses for the B.S. in Nursing

BI 161 Introduction to Microbiology
MA 131 Statistics for Decision Making
EN 101 Approaches to Literature
HI 101 Civilizations
CA 021 Effective Communication
PH 101 Introduction to the Problems of Philosophy
RS 101 Introduction to the Study of Religion
RS 257 Contemporary Moral Issues
Two (2) Humanities Electives
One (1) Free Elective

Required Courses in the Nursing Major

NU 205 Clinical Nursing Concepts
NU 215 Health Assessment
NU 225 Pharmacology and Nutritional Therapies
NU 260 Adult Nursing I
NU 280 Nursing Research
NU 300 Adult Nursing II
NU 330 Family and Child Health Nursing
NU 340 Nursing Practice Internship
NU 360 Psychiatric—Mental Health Nursing
NU 370 Leadership and Role Transition
NU 381 Community Health Nursing
NU 390 Nursing Care Management

Nursing Completion Program

The fully accredited 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.

To receive a B.S. degree in Nursing, the RN must complete 124 credit hours of study, 68 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. There is acceptance of nursing credits through the Connecticut Articulation Plan. The professional major is built on a core of humanities, social sciences and mathematical 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.

Prerequisite Courses to the Upper Division Nursing Major

BI 131 Human Anatomy and Physiology I
BI 132 Human Anatomy and Physiology II
BI 161 Introduction to Microbiology
CH 090 Principles of Chemistry
EN 011 Introduction to Rhetoric
PS 101 General Psychology—Scientific Aspects
PS 252 Child Development Psychology
MA 101 Modern College Mathematics I
SO 101 Sociology: An Introduction
Additional Required Courses for the B.S. in Nursing

CH 095 Principles of Organic and Biochemistry
EN 012 Rhetoric: The Research Paper
EN 101 Approaches to Literature
PH 101 Introduction to the Problems of Philosophy
RS 101 Introduction to the Study of Religion
RS 257 Contemporary Moral Problems
MA 131 Statistics for Decision Making
HI 101 Civilizations
Two (2) Humanities electives
One (1) Free elective

Required Courses in the Nursing Major

NU 200 Foundations of Professional Nursing
NU 250 Leadership and Management
NU 280 Nursing Research
NU 320 Advanced Nursing Process I
NU 350 Advanced Nursing Process II
NU 380 Family and Community Health
One 3 credit elective:
NU 210 Power, Politics and the Profession
NU 220 Women's Health
NU 240 Computer Applications in Health Care
NU 241 AIDS and Addictions
NU 243 Cultural Issues in Health Care Delivery
NU 245 Special Topics in Nursing Leadership
NU 270 The Nurse and the Law
NU 274 Case Management
NU 275 Working with Groups
NU 299 Special Topics in Nursing
NU 382 Alternative Healing Modalities

Courses in the major should be taken in sequence with the exception of the Nursing elective, which can be taken at any time.

Course Descriptions

NU 200 Foundations of Professional Nursing

Course is a bridge course to the Nursing major and as a forum to compare the scope of practice of the RN and the Baccalaureate nurse. Role behaviors of the baccalaureate practitioner are analyzed and applied. Critical thinking is emphasized. Prerequisite: Completion of the prerequisite courses to the upper division nursing major

NU 205 Clinical Nursing Concepts

Introduces students to the professional roles of the nurse and beginning critical thinking skills relevant to the discipline of nursing. Students acquire fundamental knowledge and skills to care for individuals throughout the life span. The role of nursing theory relevant to the discipline is discussed. Students are introduced to the concepts of health and illness. Guided laboratory and clinical experiences are part of the course. Prerequisite: Acceptance to the First Professional Nursing Degree program

NU 210 Power, Politics and the Profession

Discusses political action in affecting change within health care, by analyzing national, state and local health care systems and developing strategies to influence political bodies.

NU 215 Health Assessment

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 First Professional Nursing Degree Program

**NU 220 Women's Health** 3 CR
Builds on 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 on feminist ideologies.

**NU 225 Pharmacology and Nutritional Therapies** 3 CR
Introduces basic pharmacologic and nutritional concepts used to promote, maintain and restore the health status of individuals throughout their life span. Content focuses on the pharmacodynamics and the pharmacotherapeutics of a broad range of drugs and the biologic and psychosocial role of nutrients and diet. Issues of legal and professional accountability are addressed. Laboratory practice focuses on the development of medication administration skills, documentation skills and the teaching skills necessary for medication and nutritional therapies. **Prerequisite:** Acceptance to the First Professional Nursing Degree Program

**NU 240 Computer Applications in Health Care** 3 CR
Provides an overview of computer applications in nursing and health care.

**NU 241 AIDS and Addictions** 3 CR
Designed for teachers and nurses, this course focuses on the societal problems of HIV/AIDS and addictions with particular emphasis on the adolescent. Risk factors, assessment, referral and intervention in problems of addictive behaviors are presented. Encourages development of self-awareness in the respective professional role.

**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 245 Special Topics in Nursing Leadership** 3 CR
Introduces the student to the principles of achieving professional goals with emphasis on developing a positive attitude for oneself and in those one leads. Explores principles of successful leadership for the nurse manager and applies these principles to the administration of nursing services.

**NU 250 Leadership and Management** 3 CR
Focuses on the leadership and decision-making roles of the nurse manager. Through lecture discussion, individual reading and group work, students explore the role of the nurse manager in planning, organizing, staffing, directing and controlling in a health care setting. **Prerequisite:** NU 200

**NU 260 Adult Nursing I** 6 CR
Explores the role of the nurse in relation to functional-dysfunctional health responses of individuals with common health problems. 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. **Prerequisites:** NU 205, NU 215, NU 225

**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 Case Management 3 CR
Designed to prepare students to understand the role of professional nursing in a managed care environment. Content includes community based nursing, case management principles and managed care topics.

NU 275 Working with Groups 3 CR
Introduces students to theories and practices used in group counseling. Basic principles and techniques of group processes are experienced, analyzed and evaluated.

NU 280 Nursing Research 3 CR
Prepares nursing students to critically evaluate research for its application to the practice of professional nursing. Reviews quantitative and qualitative methodology. Additional content areas are the ethical, historical and political/policy agendas that influence research. Prerequisites: MA 131, NU 200, NU 205, NU 215, NU 225, NU 250 and NU 260

NU 299 Special Topics in Nursing 3 CR
Designated new or occasional course that may or may not become part of the department's permanent course offering. Prerequisites are established by the department as appropriate for the specific course. Course title is shown on the student's transcript.

NU 300 Adult Nursing II 6 CR
Explore the role of the nurse in relation to functional-dysfunctional health responses of individuals with complex health problems. Emphasizes nursing roles for the supportive, promotive and restorative functions of nursing practice and continues to incorporate critical thinking into the learning experiences. Students have the opportunity to provide care to adults with more complex health problems. Builds upon the knowledge from previous coursework. Prerequisites: NU 205, NU 215, NU 225, NU 260

NU 320 Advanced Nursing Process I 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. Prerequisites: NU 200, NU 250, NU 280

NU 330 Family and Child Health Nursing 9 CR
Applies the elements of critical thinking to care of women, children and families in their childbearing and childrearing experiences. Explores the roles of the nurse in relation to current research, issues, concepts and trends. Care of well-defined health problems and care of high-risk and complex problems along the life span of family development are discussed. Clinical experiences address both commonly occurring and complex health issues of patients during all phases of childbearing and childrearing experiences. Prerequisites: NU 205, NU 215, NU 225, NU 260, NU 280, NU 300

NU 350 Advanced Nursing Process II 6 CR
Increases the student's critical thinking ability and leadership skills for advanced nursing practice. Students plan, implement and evaluate selected aspects of care and care management. Stressess self-directed
learning, reflection, research and dialogue. **Prerequisites:** Permission of instructor one semester in advance of enrollment, NU 200, NU 250, NU 280; **Pre- or corequisite:** NU 320

**NU 360 Psychiatric—Mental Health Nursing 3 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. **Pre-requisites:** Sophomore and Junior nursing courses

**NU 370 Leadership and Role Transition 3 CR**
Explores the transition to the leadership role of the professional nurse for the first professional degree student. 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. **Pre-requisites:** Sophomore and Junior nursing courses

**NU 380 Family and Community Health 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:** Permission of instructor one semester in advance of enrollment: NU 200, NU 250, NU 280, NU 320, NU 350

**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. **Pre-requisites:** Sophomore and Junior nursing courses

**NU 382 Alternative Healing Modalities 3 CR**
Examines holistic forms of health care that can add to the effectiveness of traditional allopathic care.

**NU 390 Nursing Care Management 6 CR**
Clinical course focused on care management and leadership. Encompasses care of patients with a focus on clinical decision making. The leadership component includes activities related to directing the care of groups of patients and staff. Seminars integrate content from the activities and concerns of providing care as well as the activities and concerns of leadership. **Pre-requisites:** Last semester Seniors only
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, 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 MS, PT, Assistant Professor
Salome Books, MBA, PT, Academic Coordinator of Clinical Education, Assistant Professor
Donna M. Bowers PT, PCS, Clinical Instructor
David A. Cameron, MS, PT, ATC, OSC, Clinical Assistant Professor
Michael J. Emery, Ed.D, PT, Associate Professor and Director
Beverly D. Fein MS, PT, Academic Coordinator of Clinical Education, Assistant Professor
Pamela K. Levangie MS, PT, Associate Professor
Michelle M. Lusardi, Ph.D., PT, Associate 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 111–112 Concepts in Biology I and II
- BI 113, 114 Concepts in Biology Laboratory I and II
- BI 131–132 Human Anatomy and Physiology I and II
- CH 151, 152 General Chemistry I and II
- CH 153, 154 General Chemistry Laboratory I and II
- CH 221, 223 Organic Chemistry I/
  Organic Chemistry Laboratory I
- MA 131 Statistics for Decision Making
- MA 140 Precalculus
- PY 111, 112 General Physics I and II
  (noncalculus based) and laboratories or
- PY 151, 152 Principles of Physics I and II (calculus-based) and laboratories
- Psychology (6 credits)
Pre-Occupational Therapy

The Pre-Occupational Therapy program consists of a series of required courses that are prerequisite courses for graduate study in occupational therapy at Sacred Heart University. Students will complete these courses while fulfilling the requirements of an undergraduate major leading to a traditional Bachelor of Arts or Bachelor of Science degree. Students must declare the undergraduate major by the beginning of their sophomore year. The graduate program will be an additional two years of graduate courses and field work education. Application to the graduate program in occupational therapy will occur during the senior year of undergraduate study with an early application process available to outstanding students. Admission to the graduate program is on a competitive basis.

Pending licensure approval by the state of Connecticut, applications for the Master of Science in Occupational Therapy will be reviewed during the Academic Year 1999–2000 for a start date of Fall 2000.

Admission to the graduate program is competitive and is based upon successful completion of admission requirements. These requirements include the completion of a bachelor's degree and the Pre-Occupational Therapy course of study. Applicants must also meet all of the graduate studies admission criteria of Sacred Heart University.

Faculty
Beverlea K. Tallant, Ph.D., O.T.(C), Director and Associate Professor

Requirements
The Pre-Occupational Therapy course of study provides the necessary prerequisites for the graduate Occupational Therapy program. Students also complete required and elective core courses mandated by the University for a Bachelor of Science or Bachelor of Arts degree.

Required Courses
CH 151/153 General Chemistry I and Lab.
CH 152/154 General Chemistry II and Lab.
PY 111/113 General Physics I Lab or equivalent
BI 111/113 Concepts in Biology I and Lab.
BI 161 Introduction to Microbiology or equivalent.
BI 131 Human Anatomy and Physiology I*
BI 132 Human Anatomy and Physiology II*
MA 140 Precalculus
A course in Statistics*
PS 101 General Psychology—Scientific Aspects
PS 252 Child Development Psychology
PS 273 Adolescent Development or equivalent
PS 274 Adult Development or equivalent
PS 311 Abnormal Psychology*
SO 101 Sociology: An Introduction

Whenever possible, courses should be studied in the identified sequence for each basic science area.

* It is preferable that these courses be taken in the third year.
Associate in Science: Respiratory Care

Respiratory care is a health care specialty offering the practitioner challenges in prevention, diagnosis, treatment, management and rehabilitation of people with disorders of the heart and lung. Respiratory therapists are involved in a variety of lifesaving situations working side by side with doctors, nurses and other members of the health care team treating patients that range from the newborn to the elderly.

The Respiratory Care program begins in the fall semester each year and continues for five semesters including the summer session between the Freshman and Sophomore years. Classes and most clinical experience are offered during the day. Some off-shift clinical rotation is required in the last semester. Beginning in the spring semester of the Freshman year, students start clinical training at one of the program’s clinical affiliates. All hospital training is supervised by trained clinical preceptors. Upon graduation from the program, students are eligible to take the entry level examination offered by the National Board for Respiratory Care.

The Respiratory Care program is accredited by the Committee on Accreditation for Respiratory Care (CoARC) and by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Faculty
Frank R. Salvatore, B.S., R.R.T.,
Instructor and Director of Clinical Education

Cecelia K. Szakolczay, M.A.T., R.R.T., R.P.F.T., Perinatal/Pediatric Specialist, Instructor and Director

Respiratory Care Program Policies

1. The degree of Associate of Science in Respiratory Care is contingent upon successful completion of all academic requirements as well as all clinical requirements of the program.

2. The granting of the associate degree in Respiratory Care is not contingent upon successful passing of any examination given for Respiratory Care certification, and Sacred Heart University is not responsible for the students’ performances on such examinations.

3. Students must sign a waiver stating that their records will be available to the program director and director of clinical education of Sacred Heart University or persons designated by the two directors.

4. Students accepted into the program must present a certificate of health after a physical examination given by their personal physician including proof of vaccination. Prior to clinical training, students must make an appointment with the Health Unit at the primary clinical affiliate, St. Vincent’s Medical Center, to submit the above paperwork and take the required test for unauthorized drug use (negative testing is required). During clinical training, students may be required to undergo a physical examination for reasons of patient safety.

5. While in the clinical phase, students are expected to adhere to the rules and regulations of clinical affiliates.

6. All respiratory care courses must be taken in the sequence offered, as outlined in the program’s student handbook. Students are expected to maintain a semester GPA of 2.25* for all academic as well as clinical courses.

7. To receive an Associate of Science degree in Respiratory Care, students must

*suggested guideline
maintain an overall GPA of at least 2.25*.

8. Enrollment into professional courses is offered to matriculated students and students granted conditional acceptance by the program director and/or the program's admissions committee.

**Required Courses**

BI 131** Human Anatomy and Physiology I  
BI 132** Human Anatomy and Physiology II  
BI 161 Introduction to Microbiology  
CH 090 Principles of Chemistry  
CH 095 Principles of Organic and Biochemistry  
EN 011 Introduction to Rhetoric  
EN 012 Rhetoric: The Research Paper  
MA 105** Math Applications for Health Sciences  
MA 131 Statistics for Decision Making  
PS 101 General Psychology—Scientific Aspects  
PY 100 Elements of Physics  
SO 101 Sociology: An Introduction  
RC 110 Respiratory Care I  
RC 115 Clinical Practice I  
RC 120 Respiratory Care II  
RC 150 Respiratory Care III  
RC 160 Clinical Practice II  
RC 170 Respiratory Care Diagnostics  
RC 210 Respiratory Care Pharmacology  
RC 220 Respiratory Care Pathophysiology  
RC 230 Clinical Practice III  
RC 240 Respiratory Critical Care  
RC 250 Advanced Respiratory Care Diagnostics  
RC 260 Clinical Practice IV  
RC 270 Newborn/Pediatric Respiratory Care  
RC 280 Pulmonary Rehabilitation and Home Care

*suggested guideline

**Prerequisite courses for RC 110

**Course Descriptions**

**RC 110 Respiratory Care I**  3 CR  
Introduces the anatomy and physiology of the respiratory system. Emphasis on the study of gas exchange, mechanics of breathing, control of ventilation, pulmonary clearance mechanisms and assessment of the cardiopulmonary system. The laboratory portion includes an introduction to the field of respiratory care, patient assessment and general care of the pulmonary patient. **Prerequisites:** BI 131, BI 132, MT 105 and permission of the instructor; **corequisite:** RC 120

**RC 115 Clinical Practice I**  1 CR  
A clinical/laboratory course designed to introduce students to basic equipment and procedures used in the field of respiratory care. **Prerequisite:** EN 011; **corequisite:** RC 150

**RC 120 Respiratory Care II**  2 CR  
Introduces the concepts of medical gas physics and respiratory care gas administration systems. Medical gases, regulators and oxygen delivery systems are discussed. Additional lecture topics include basic patient assessment, physical examination of the chest, basic chest x ray interpretation and basic pathophysiology in pulmonary disease. **Corequisite:** RC 110

**RC 150 Respiratory Care III**  3 CR  
In-depth explanation of the theory, function and maintenance of devices used to provide routine respiratory care. Emphasis on humidity and aerosols, airway management and pulmonary clearance modalities. **Corequisite:** RC 115
RC 160 Clinical Practice II 2 CR
A clinical/laboratory course incorporating basic therapeutic procedures and equipment used in delivering respiratory care to hospitalized patients. Prerequisites: RC 115, 120 and 150; corequisite: RC 170

RC 170 Respiratory Care Diagnostics 3 CR
Studies arterial blood gas analysis, fluid/electrolyte balance and electrocardiography and their relationship to cardiopulmonary homeostasis. Prerequisites: CH 090, CH 095 and RC 150 or permission of the instructor; corequisite: RC 160

RC 210 Respiratory Care Pharmacology 3 CR
Introduces to the basic principles and use of drugs in the treatment of disease. Emphasis on the frequently encountered chemical agents used in the therapeutic management of pulmonary and cardiovascular disease. Prerequisite: CH 090 or permission of the instructor; corequisite: CH 095

RC 220 Respiratory Care Pathophysiology 3 CR
Studies the pathophysiology, diagnosis, assessment and treatment of pulmonary diseases with emphasis on clinical application to the field of respiratory care. Prerequisites: RC 110 and RC 170

RC 230 Clinical Practice III 3 CR
A clinical/laboratory course designed to provide experience in all routine patient care modalities. In addition, students are given an introduction to intensive care, anesthesia, physical medicine and emergency room treatment. Students also spend time in the pulmonary function laboratory performing analysis of arterial blood samples. Prerequisites: RC 160 and RC 170; corequisite: RC 240

RC 240 Respiratory Critical Care 3 CR
Provides training in the current technology used in mechanical ventilatory support. An in-depth explanation of the mechanical and functional operation of ventilators is included. Indications, hazards and complications for continuous mechanical ventilation of the patient are stressed. Practical application of theoretical concepts are stressed in the laboratory section. Prerequisite: RC 150; corequisite: RC 230

RC 250 Advanced Respiratory Care Diagnostics 3 CR
Studies of blood flow through the cardiopulmonary system with emphasis on hemodynamic monitoring. Also provides comprehensive study of the procedures and equipment used in the diagnosis of pulmonary disease. Prerequisite: RC 170; corequisite: RC 230

RC 260 Clinical Practice IV 3 CR
A clinical/laboratory course designed to provide experience in the critical care setting with emphasis on management of mechanical ventilation, hemodynamic monitoring and overall care of critically ill patients. Students are exposed to such specialty areas as newborn/pediatric intensive care, pulmonary rehabilitation, sub-acute care, home care and the pulmonary function and cardiac catheterization laboratories. Laboratory sessions emphasize advanced respiratory care practice as well as prepare the student to take the Advanced Practitioner Board Exams through the use of Self-Assessment Exams (SAEs), Computer-Assisted Instruction (CAI) and other learning tools. Prerequisites: RC 230 and 240; corequisites: RC 270 and RC 280
RC 270 Newborn/Pediatric Respiratory Care 2 CR
Provides a comprehensive study of the care of newborn and pediatric patients with respiratory disorders. Topics include fetal lung development, the birth process and complications of labor and delivery as well as the pathophysiology of respiratory disorders and technologies used in stabilization and life support of the newborn/pediatric patient. Prerequisite: RC 240 or permission of the instructor; corequisite: RC 260

RC 280 Pulmonary Rehabilitation and Home Care 2 CR
Introduces the study of current concepts and equipment used in home care and rehabilitation of patients with chronic pulmonary disorders. Prerequisite: RC 150 or permission of the instructor; corequisite: RC 260
University College

Stephen M. Brown, Ed.D., Dean and Professor of Adult Education
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 school, winter intersession and distance learning (education via the Internet). Through its LifeLong Learning Center, it designs and delivers conferences, institutes and noncredit courses, including certificate programs, to area individuals, organizations and businesses. Additionally, satellite campuses in Derby, Shelton, Danbury and Stamford are an integral part of the College. 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 noncredit, 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.

<table>
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<tr>
<th>Discipline</th>
<th>Courses Only (No Major/Minor)</th>
<th>Associate’s Degree</th>
<th>Bachelor’s Degree</th>
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<td>Leadership Studies</td>
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Specialized Services and Programs of University College

The FOCUS Program

FOCUS (Flexible Options for Comprehensive Undergraduate Study) is an integrated set of programs and services designed specifically by University College to help adults to complete their associate or baccalaureate degree quickly and in a format consistent with their busy lifestyles.

FOCUS combines career and academic skills assessment, assessment of prior learning, degree program planning and academic support services to produce a detailed action map, individually tailored to meet the exclusive and specific needs of each and every student.

When students enter the FOCUS program, they meet with an academic advisor to determine what specific services are required,
how transfer credits might be applied, and what opportunities might be available to secure college credit for prior learning. Depending on the needs, any combination of the following might apply:

**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 resume 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.

**Academic Skills Assessment**
FOCUS 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's FOCUS program recognizes that knowledge and expertise is not exclusively delivered in a college classroom. FOCUS can provide mechanisms for adult students to convert life's education to college credit. Through CLEP, DANTES and REGENTS 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.

**Academic Services**
An integral component to the FOCUS program is student success, both while participating and beyond. Academic Services are designed to assist adult students in establishing and achieving educational goals. Services include preadmission 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 declaration, early and mid-term assessment indicators, course selection and registration. There is always someone there to provide support and guidance for students in the FOCUS program.

**Financial Assistance Services**
The University Office of Financial Assistance counsels students regarding all of the options available through the Focus program 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.

**Curricular Formats in University College**
FOCUS 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, Danbury, Shelton, Stamford and Valley-
Derby. Students can elect from the following choices:

**Accelerated Classes**
Traditional collegiate study terms run anywhere from 15 to 18 weeks. Focus can consolidate class time periods to speed up course completion. Depending on the course, students can choose five or seven and one half 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.

**Guided Independent Learning**
FOCUS 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.

**Distance Learning**
As the twenty-first century approaches and technology 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. Focus offers opportunities for the alternative delivery of course materials and student interactions in any number of forms. Focus can make degree completion an integral part of today’s future.

**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 day and in the evening, through the Focus program. Many students “mix and match” course delivery formats, depending on subject, content and degree of difficulty.

**The AHEAD Program**
AHEAD is an accelerated degree program in Business Administration, Finance and International Business. This special program provides working adults who have family and other responsibilities the unique opportunity to complete a degree in half the time. 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.

**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. Classes are offered every second weekend, and an accelerated schedule is available for those students interested in attending every weekend.

**Long Distance Learning**
Many credit courses are offered via a computer mediated format. These classes generally do not require attendance on campus. Students must have access to e-mail and have basic computer communication skills.
Baccalaureate Degree in General Studies

The General Studies program was developed specifically for adult students interested in custom designing their own multi-disciplinary 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
- Social Science
- Professional Studies

A capstone project course is required at the end of the program to synthesize the learning. In developing the General Studies major, students, with the help of a faculty advisor, formulate a cohesive and comprehensive plan of study. This ensures the pursuit of a meaningful program rather than a collection of unrelated electives.

Courses 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 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.

The 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 REGENTS 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, religion, sociology, psychology and political science throughout the curriculum.

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.

Bachelor of Science in Leadership Studies Major Requirements (42 credits)

Foundation (15 credits)
- LS 100 Adult Learning Seminar (3 credits)
- LS 110 Research and Qualitative Analysis
- LS 181 Team Building and Group Dynamics
- LS 182 Leading in a Diverse Society
- LS 210 Personal Leadership Style

Upper Division Requirements (15 credits)
- LS 200 Leadership Theory
- LS 220 Leader Practices
- LS 230 Leadership in a Global Environment
- LS 240 Leadership and Change
- LS 250 Ethics and Leadership

Capstone (6 credits)
- LS 300 Leadership Seminar (prerequisite: all major courses)
- LS 301 Applied Research in Leadership (prerequisite: Leadership Seminar)

Electives:

Group A (3 credits) chosen from:
- LS 255 Business Leadership
- LS 256 Community Leadership
- LS 257 Church Leadership
- LS 258 Educational Leadership

Group B (3 credits) chosen from:
- LS 260 Biographies: Leaders in History
- LS 265 Leadership in Literature
- LS 270 Executive Leadership
- LS 275 Women and Leadership
- LS 280 Leaders in Protest
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 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: Adult Learning Seminar and Leadership Theory

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 multiethnic, 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: Leadership Theory

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: Adult Learning Seminar and Leadership Theory

LS 220 Leader Practices  3 CR
Focuses on the applications of leadership principles to organizational and community contexts. The concepts of leadership behavior and development are examined. Students develop a critical understanding
of the practice of leadership. Prerequisites: Leadership Theory and Personal Leadership Style

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: Leadership in a Diverse Society and Adult Learning Seminar

LS 240 Leadership and Change 3 CR
This course centers around theories of social and organizational change, ranging from classical philosophical and political text 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: Leadership Theory

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 examining 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: Leadership Theory

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: Ethics and Leadership

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 longstanding 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 changes outside the institutional shelter of organizations. Prerequisite: Ethics and Leadership

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 it-
self 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 context of educational organizations will be explored, as will the various leadership roles in education. *Prerequisite: Ethics and Leadership*

**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.

**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, will be 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 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 twentieth 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 century.

**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: Research and Qualitative Analysis 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 the Capstone Leadership Seminar. 

Prerequisite: Capstone: Leadership Seminar
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's or baccalaureate degree program. Programs available are: Administrative/Information Management, Computer Science, Financial Management, International Business, Marketing and Supervision.

The EASE Certificate

Designed to ease an individual into college for the first time, or back to college after a considerable time gap in study, the EASE Certificate presents a taste of the academic experience and supports students to gain confidence and achieve success. EASE credits can be applied to a full degree program.

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. The 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 Data Processing
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.

Required Courses for Both Options

CS 110 Introduction to Computer Science
CS 111 Introduction to Structured Programming
CS 112 Data Structures

Additional Required Courses for Information Technology Option (Choose three)

CS 231 File Handling/COBOL
CS 311 Data Base Design
CS 312 Software Engineering
CS 319 Computer Ethics
CS 338 Systems Analysis and Design

Additional Required Courses for Scientific Option (Choose three)

CS 241 Advanced Programming Concepts Using "C"
CS 311 Data Base Design
CS 312 Software Engineering
CS 319 Computer Ethics
CS 341 Analysis of Algorithms
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 102, 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’s 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 265 Sports 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.

Required Courses
BU 201 Organization Management
BU 202 Organizational Behavior
BU/CA 221 Business Communications
CA 131 Interpersonal Communication
HR 207 Management of Human Resources
HR/LW 236 Employee/Employer Law

This program will enhance or develop the supervisory skills needed to effectively and efficiently operate 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.
The Lifelong Learning Center at University College

The Center for Lifelong Learning offers a variety of learning opportunities on a non-credit basis. To accommodate today's busy adult, programs are offered during evenings and weekends. Classes, workshops and seminars are offered on the main campus and at our off-site facilities including the Derby and Stamford campuses.

The Lifelong Learning Center also provides customized on-site training for employers that is affordable, tailored to meet specific needs and conducted at the employers' convenience.

Offerings are diversified: for personal enrichment, for exploration of new interests, for investigating a new career, for developing a business network and to enhance job skills or develop new skills to enter a new field. New Lifelong Learning classes, institutes and seminars are being developed constantly. The following list represents typical program offerings. Specific scheduling and information is available through the University College at 203-371-7830 or toll-free in Connecticut at 888-SHU-EDU-1

Lifelong Learning Courses and Seminars
(noncredit, continuing education units [CEUs] are available)

Noncredit Certificate Programs
Administrative Assistant
Computer
Gerontology
Interior Decorating and Design

Quality Systems Management
Safety/Environmental Technology
Travel Agent
Urban and Regional Planning

Professional and Personal Growth
Think Smart! Feel Good
Communication Skills
Leadership Skills
Music Classes
Project Management
Supervisory Skills
Successful Money Management
Tai Chi Chu
Retirement Planning
Grant Writing Work
Creative Writing

Computers
Intro to the PC/Beginning Skills
Intro to Microsoft/Windows
Intro to WORD for Windows
Powerpoint
Advanced WORD for Windows
Intro to Excel
Advanced Excel
Intro to Access for Windows
Intro to the Internet
Intro to Windows 95

The Internet Classes
Hypertext Mark-up Language
Advanced HTML

Languages
Clear Pronunciation for Foreign Born
English as a Second Language
Doing Business in Russia
Sign Language
Spanish Language and Culture
Italian Language and Culture
French Language and Culture
German Language and Culture
The 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 develop partnerships with corporations to foster a continuous learning environment within the corporation that is tied to its business goals. The Center is focused on developing “corporate universities,” providing organizational needs assessments, defining a strategic direction for corporate education and partnering with a corporation to implement educational plans designed to expand and enhance an organization’s intellectual capital. For more information, call 203-371-7830.
Lifelong Learning Courses and Seminars

Enrollment continuing education units (CEUs) are available.

Noncredit Certificate Programs

Administrative Assistance
Science
Computer
Interior Designing and Decor

Online System Management

Safety/Environmental: Hazardous Waste Management

Model Agent

Urban and Regional Planning

Project Services and Personal Skills

Think & Soothe: How to be Mindful 

Communication Skills

Leadership Skills

Marketing: The Basics

Cash Flow Management

Supervisory Skills: Getting Results: Getting It All Done

The Co-Chief

Counseling

Patient Care Management

Business Writing

Creative Writing: Imagine It, Imagine It a RA Designed

Computers

Dear to the PQB-gaining Skills

Introduction to Microsoft Word

Introduction to Word for Windows

Powerpoint

Advanced Word for Windows

Inventorying

Advanced Excel

Introduction to Access for Windows

Introduction to the Internet

Excel in Windows 95

The Internet Classes

Hypertext Markup Language

Advanced HTML

Languages

Object Programming in Foreign Languages

English: General Language

Chinese: Business in China

Sign Language

Spanish: Language and Communication Language and Culture

French Language and Culture

German Language and Culture

Italian Language and Culture

Japanese Language and Culture

Korean Language and Culture

Russian Language and Culture

Spanish Language and Culture

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Tamil Language and Culture

Thai Language and Culture

Turkish Language and Culture

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Welsh Language and Culture

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Sacred Heart University Campus, 5151 Park Avenue, Fairfield, Connecticut, Fall 1998
Traffic Patterns.

Entrance at Park Avenue only. Exits at Park Avenue and Jefferson Streets.

Note: Traffic patterns subject to change due to construction. Check with guard at entrance on Park Avenue or Public Safety Office for parking permit.

Directions to Sacred Heart University

Main Campus, Fairfield
5151 Park Avenue, Fairfield, Conn. 06432-1000

From Merritt Parkway (Route 15) North or South: (Passenger Vehicles Only)
Exit 47. At end of ramp turn left and proceed one block to Sacred Heart University. Entrance on Park Avenue.

From Connecticut Turnpike (I-95) North or South: (Passenger Vehicles Only)
Exit 27A. Continue straight ahead on combined Routes 8 and 24 to fork. Bear left onto Route 25. Take Exit 7, Merritt Parkway South and follow directions above.
Directions to Sacred Heart University

**Danbury Site**
_at Immaculate High School,_
73 Southern Boulevard, Danbury, Conn.

From I-84
Take Exit 3 (Danbury Mall, Rt. 7 South) to the Airport Exit. At the end of the ramp, take a left at the light. At the next set of lights, take a left (Wooster Heights). Take the 3rd right (Southern Blvd.). Follow approximately .7 mile to a fork in the road and bear right. Proceed and take a left at the Seton-Newman Center.

From Route 7 North
Take the Danbury Airport Exit. At the light at the bottom of the exit ramp, take a right (Wooster Heights) and proceed as above.

From Route 58/302 (Bethel, Newtown, Redding): Follow Route 302 (Milwaukee/Greenwood Ave.) to Route 53 North (South Street). Follow for approximately 1.9 miles to Mountainville Ave. Take a left on Mountainville and follow, bearing right at Southern Blvd. To the top of the hill where the road divides. Take a right at the Seton-Newman Center.

From Main Street, Danbury (I-84, Exit 5)
Take Main Street through the center of town to the end (Route 53 North, South Street). Take a right onto South Street and the first left onto Mountainville. Proceed as above.

**Stamford Campus**
River Bend Executive Park Building #12,
835 Hope Street, Stamford, Conn. 06907

From Merritt Parkway (Route 15)
(Passenger Vehicles Only)

North or South: 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 Executive Park is on the left past the Springdale train station. Follow signs to the first office building on the right.

From Connecticut Turnpike (I-95):
North or South: Exit 9. Follow Rt. 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 Executive Park Entrance, on right just before the Springdale train station. Follow signs to the first building on the right.