A Letter from the President

January 1995

Dear Undergraduate Student:

Sacred Heart University is an institution on the move! We welcome you to one of the fastest-growing universities in the East. Whether you plan to pursue your degree full-time days or part-time days, nights, or weekends, we have a program that meets your needs.

This is an institution with short- and long-range plans for expansion to better serve current and future students and alumni into the next century. As outlined in our 1994-1999 Strategic Plan, it is our goal to adapt to the ever-changing world by continuing to add courses, along with additional majors and concentrations, to improve our use of technology, to strengthen our financial base and to add to our physical plant.

The goal of a Sacred Heart University education is to prepare you to be a conceptual thinker who continues to learn long after you’ve left our halls. We also offer numerous non-credit and continuing education unit (CEU) courses and graduate programs to encourage lifelong learning. Sacred Heart University also strives to develop a sense of responsibility in its graduates so that they will use their knowledge and talents to improve society by responding to the call of service in the community.

We take to heart our slogan that this is a University “where personal attention leads to personal achievement.” As you use this Undergraduate Catalog, please know that our faculty, administrators, and staff are here to assist you in selecting courses or explaining programs of study. All of us in the University community look forward to working with you as you join us in pursuit of academic excellence.

With best wishes, I am

Sincerely yours,

Anthony J. Cerna, Ph.D.
President
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# Academic Calendar 1994-1997

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>1994</th>
<th>1995</th>
<th>1996</th>
</tr>
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<tbody>
<tr>
<td>Labor Day</td>
<td>Mon Sep 5</td>
<td>Mon Sep 4</td>
<td>Mon Sep 2</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Tues Sep 6</td>
<td>Tues Sep 5</td>
<td>Tues Sep 3</td>
</tr>
<tr>
<td>Columbus Weekend</td>
<td>Sun Mon Tues</td>
<td>Sun Mon Tues</td>
<td>Sun Mon Tues</td>
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<tr>
<td></td>
<td>Oct 9 10 11</td>
<td>Oct 8 9 10</td>
<td>Oct 13 14 15</td>
</tr>
<tr>
<td>Mid-Term Exams</td>
<td>Wed-Tues</td>
<td>Wed-Tues</td>
<td>Wed-Tues</td>
</tr>
<tr>
<td></td>
<td>Oct 12-18</td>
<td>Oct 11-17</td>
<td>Oct 16-22</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>Wed-Sun</td>
<td>Wed-Sun</td>
<td>Wed-Sun</td>
</tr>
<tr>
<td></td>
<td>Nov 23-27</td>
<td>Nov 22-26</td>
<td>Nov 27-Dec 1</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>Mon Dec 12</td>
<td>Mon Dec 11</td>
<td>Mon Dec 9</td>
</tr>
<tr>
<td>Final Exams</td>
<td>Tues-Sat</td>
<td>Tues-Sat</td>
<td>Tues-Sat</td>
</tr>
<tr>
<td></td>
<td>Dec 13-17(^1)</td>
<td>Dec 12-16(^2)</td>
<td>Dec 10-14(^3)</td>
</tr>
</tbody>
</table>

\(^1\)Note: Exams for Mon evening classes will be held on Fri night Dec 16

\(^2\)Note: Exams for Mon evening classes will be held on Fri night Dec 15

\(^3\)Note: Exams for Mon evening classes will be held on Fri night Dec 13

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<thead>
<tr>
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<tbody>
<tr>
<td>Martin Luther King Day</td>
<td>Mon Jan 16</td>
<td>Mon Jan 15</td>
<td>Mon Jan 20</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>Tues Jan 17</td>
<td>Tues Jan 16</td>
<td>Mon Jan 13</td>
</tr>
<tr>
<td>President’s Day*</td>
<td>Mon Feb 20(^*)</td>
<td>Mon Feb 19(^*)</td>
<td>Mon Feb 17(^*)</td>
</tr>
<tr>
<td>*Classes will be held</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Mid-Term Exams</td>
<td>Mon 2/27-, Sat 3/4</td>
<td>Mon 3/4-, Sat 3/9</td>
<td>Mon 2/24-, Sat 3/1</td>
</tr>
<tr>
<td>Easter Break</td>
<td>Wed 4/12-, Tues 4/18(^*)</td>
<td>Wed 4/3-, Tues 4/9(^*)</td>
<td>Wed 3/26-, Tues 4/1</td>
</tr>
<tr>
<td>*Classes will begin at 4 p.m.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Last Day of Class</td>
<td>Mon May 8</td>
<td>Tues May 6</td>
<td>Mon May 5</td>
</tr>
<tr>
<td>Study Day</td>
<td>Tues May 9(^4)</td>
<td>Tues May 7(^5)</td>
<td>Tues May 6(^6)</td>
</tr>
<tr>
<td>4Exams for evening courses will be held 5/9</td>
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<td></td>
<td></td>
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<tr>
<td>5Exams for evening courses will be held 5/7</td>
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<td></td>
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<tr>
<td>6Exams for evening courses will be held 5/6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commencement</td>
<td>Sun May 21</td>
<td>Sun May 19</td>
<td>Sun May 18</td>
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</tbody>
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Summer schedule available in March from the Office of Continuing Education.

On holidays operations are limited, with most offices closed; unless otherwise noted, classes do not meet.
ACCREDITATION
AND
NOTATIONS
Accreditation and Notations

Accreditation

Sacred Heart University has been granted institutional accreditation by the New England Association of Schools and Colleges, one of six regional associations in the United States 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 or organizations that an institution has clearly defined and appropriate educational objectives, has established conditions under which their achievements can reasonably be expected, that it is substantially achieving them now, and that it is so organized, staffed, and supported that it can be expected to continue to do so 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 the national professional organization. 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 also is approved by the Connecticut State Department of Education for the education of veterans and their eligible dependents.

Memberships

The following is a selection of associations to which the University belongs:

- 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 Computing Machinery
- Association for Continuing Higher Education
- Association of American Colleges & Universities
- Association of Baccalaureate Social Work Program Directors
Sacred Heart University

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 Computing Machinery
Association of Departments of English
Association of Governing Boards
Association of Graduate Programs in Ministry
Association of International Educators, The
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 Board, The
College Consortium for International Studies
College Entrance Examination Board and Scholarship Service
Collegium
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 the Advancement and Support of Education
Council of Graduate Schools
Council of Independent Colleges, The
Council on Social Work Education
Eastern College Athletic Conference

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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
Mathematics 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 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
National League for Nursing
New England Association of Schools and Colleges
New England Transfer Association
Northeast Association of Student Employment Administrators
Society for Industrial and Applied Mathematics
Teachers of English to Speakers of Other Languages

Notations

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.

Sacred Heart 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.

Sacred Heart University complies with the Family Education Rights and Privacy Act of 1974 which defines the rights and protects the privacy of students with regard to their educational records.

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

Policy on Diversity

Sacred Heart University is committed to maintaining 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.

Sacred Heart University does not condone racism, sexism, intolerance, or any other acts of discrimination.
MISSION AND HISTORY
Mission and History

Sacred Heart University Mission Statement

Sacred Heart University is a co-educational, independent, comprehensive institution of higher learning in the Catholic intellectual tradition whose 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 who are 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.

Sacred Heart University is Catholic in tradition and spirit. As a Catholic university, it 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, Sacred Heart 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 University community and creating opportunities for dialogue in the common search for truth. Through its curricular and co-curricular activities and campus ministry programs, the University provides the context in which students have the opportunity to appropriate in a critical fashion their own religious traditions.

Sacred Heart University challenges its students to think critically, analyze carefully, evaluate with a sense of justice and proportion, and convey conclusions in an intelligible and articulate fashion. The University provides the environment in which its 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, Sacred Heart 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 strongly 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 approach expresses the University's belief that each student is born with a unique set of qualities and
skills. It respects the personal and academic freedom of each of its members while, at the same time, fostering a genuine experience of community. By so doing, it creates the environment in which each person in the University 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. From the outset the new University bore the mark of innovation. Embodying a new direction within American Catholicism, Sacred Heart was to be led and staffed by the laity, independent and locally oriented, serving the needs of the new diocese and southwestern Connecticut.

Signs of the University's growth are self-evident. The student population has risen from its original class of 173 students in 1963 to 5,605 full- and part-time students in Fall 1994. Correspondingly, the faculty has increased from nine to more than 300. Fifty percent of the full-time undergraduate faculty have tenure. This remarkable growth in such a relatively short period is often attributable to the development of new degree programs and majors in relevant disciplines.

From its first days, the University has embraced a variety of programs and offerings in traditional liberal arts, mathematics and science, nursing, and computer science. A growth area has been in business studies, where majors now exist in accounting, economics, finance, international business and business administration (with five concentrations: international business, legal administration, management, marketing and sports management). Such programs are reflective of the Fairfield County, Connecticut corporate environment.

One of the most significant contributions of Sacred Heart University to the community is its commitment to continuing education and the lifelong learner. Evening course offerings earn praise for their diversity and relevance to the learning process in higher education.

Location

Located on 56 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 (see Directions).

Major extension sites of the University are located in Stamford, Derby, Danbury, and Lisbon, Connecticut. Sacred Heart University also operates the only Master of Business Administration Program offered in The Grand Duchy of Luxembourg.

Curriculum

Responding to the community it serves, the University provides 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 in the humanities, the physical sciences and the social sciences.

In the 1994-95 curriculum, the University offers Baccalaureate candidates a choice of 25 majors in the areas of liberal arts, business, and professional studies. During the next few academic years several additions to the list of academic programs are planned, including environmental science, pre-occupational therapy and the-
ater studies. Candidates seeking an Associate degree currently choose from among 24 major concentrations.

At the graduate level, Master’s degree programs are offered in the fields of business administration (MBA, MBA/Health Care), chemistry (MSCh), computer information sciences (MCIS), religious studies (MARS), teaching (MAT) and nursing (MSN). Professional Certificates (6th Year) in administration and advanced teaching also are offered.

The Office of Graduate Studies and Continuing Education attracts a growing number of area men and women 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, non-credit courses, workshops and seminars also are offered each semester to meet the challenge of a dynamic and changing society.
ADMISSIONS
Admissions

Admissions Process for Full-Time Study

The Office of Admissions coordinates the admission of prospective students interested in full-time study (12 credits or more). 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. (The Sacred Heart University 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 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.

Credit will be 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.

A student who has left Sacred Heart University for more than a year is required to re-apply 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 and Advising. 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 admits full-time students to undergraduate programs of study in September and January.

The University accepts full-time students through an Early Decision Program or on a Rolling Admissions 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 7. An admissions decision will be sent before Christmas. Students accepted to the University under the Early Decision Program are required to submit their non-refundable 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 admissions decision two to 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 non-refundable 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 Admissions
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: 203-371-7880
Fax: 203-371-7889

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 the Office of Graduate Studies and Continuing Education.

The procedure for admission to part-time undergraduate degree programs, including AHEAD and Weekend University, is:

1. Complete a part-time application form and return it to the Office of Graduate Studies and Continuing Education with the appropriate fee.
2. Have an official high school and/or college transcript sent to the Office of Graduate Studies and Continuing Education.
3. Make an appointment with a counselor in the Office of Graduate Studies and Continuing Education 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:

Office of Graduate Studies and Continuing Education
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: 203-371-7830
FAX: 203-365-7500
The Office of Graduate Studies and Continuing Education also is responsible for the graduate, undergraduate, and non-credit courses that are offered at satellite campuses in Danbury, Derby, Stamford, and Lisbon, 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 and Finance designed for the busy adult for whom registering for a typical semester's schedule of classes is not practical or convenient. 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 the Office of Graduate Studies and Continuing Education as outlined above.

**Weekend University**

Weekend University, a degree program in Business Administration and Finance, facilitates the pursuit of a degree for an adult who has difficulty attending classes during the week. Classes are offered every second weekend. An accelerated schedule is available for those students interested in attending every weekend. Application and admission is through the Office of Graduate Studies and Continuing Education as outlined above.

**The 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 are available, which 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 the Office of Graduate Studies and Continuing Education at 203-371-7830 for more information.
Expenses

Tuition and Fees
Academic Year 1994-95

Full-Time Student
(12-17 credits) $5,535/semester
Overload
(18 or more credits) $355/credit
College Fee $175/semester
(Includes $50 Registration Fee, $12.50 Library Fee, $97.50 Student Fee, and $15 Health Fee.)

Room and Board
Room $2,045/semester
19 Meals/Week $845/semester
14 Meals/Week $825/semester

Part-Time Student
(1-7 credits) $245/credit
(8-11 credits) $380/credit
College Fee $75/semester
(Includes $50 Registration Fee, $10 Library Fee, and $15 Student Life Fee.)

AHEAD Student
Tuition $245/credit
Registration Fee $30/term
Library Fee $10/term
Student Life Fee $7.50/term
See AHEAD Program section below for details on charges for AHEAD students

Other Fees
Audit $350/course
(Auditors are charged the Part-Time College Fees)
Add/Drop $30/change
Deferred Payment $30/semester
Graduation $75
Lab-Level 1 $50/course
Lab-Level 2 $65/course
Legal Research Fee $30/course
Late Registration Fee (Effective 1/17/95) $25
Private Music Lessons
    MU 131 (1 credit) $150
    MU 132 (2 credits) $275
Taste of College
(Maximum 6 credits) $125/course
Transcript* $5/transcript
Orientation Fee (Full-Time) $105

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

AHEAD Program
Students accepted to the AHEAD Program can register for one to three AHEAD/Weekend University courses in a given AHEAD term (seven-and-a-half-week session). There are five AHEAD terms per year.

Students are charged the regular part-time tuition rate for 1 to 7 credits for each term. Students taking 8 to 11 credits in a given term are charged the extra part-time tuition rate for the credits beyond 7. Students taking 12 or more credits in one term are charged the regular full-time tuition.
Students are classified in a given semester as regular part-time or regular full-time students if they take more than one non-AHEAD/non-Weekend University course. Determination of the student's classification is made on a semester by semester basis.

Students interested in taking AHEAD/Weekend University courses need the permission of the Associate Dean of Continuing Education or the Director of the Stamford campus in order to register for the courses.

The adding/dropping of courses for a given term can affect a student's AHEAD classification status and the tuition rate that the student is charged. Students may be liable for additional tuition expenses if changes are not approved by an academic advisor.

**Family Discount Plan**

The Family Discount Plan offers a $750 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**

Accident and medical insurance policies are mandatory for all full-time undergraduate and graduate students; full-time and part-time international visa students, resident students, and graduate assistants. The Basic Accident coverage is in effect 24 hours a day, world-wide. Medical insurance includes "Basic Sickness" and is mandatory unless a waiver is provided showing proof of other insurance. Waivers are available in the Health Services Office. All insurance fees are billed and payable through the Cashier's Office. For further information contact Health Services at 203-371-7838.

**Payment of Tuition and Fees**

Checks should be made payable to Sacred Heart University. All University tuition and fees must be paid on or before registration for each semester or session unless prior arrangements have been made under a deferred payment plan. Regulations covering deferred payment plans are available from the Student Accounts Office.

Students who expect to receive financial assistance, a loan, or scholarship from Sacred Heart University must contact the Office of Student Financial Assistance before registering.

Students will not be allowed to register with a prior tuition balance. A degree will not be conferred and a transcript will not be issued until all financial obligations to the University have been met.

**Deferred Payment Plan Options**

There is a deferred payment plan available.

Sacred Heart University offers a five-month deferred payment plan with a $35 finance charge each semester.

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.
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 Coordinator of Student Retention and Academic Support Services as well as the Dean of Student Affairs.

Official withdrawal is necessary to assure 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:
- 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 the fifth week of class

Tuition refund for AHEAD or Weekend University charges:
Deduct 20% for each meeting of a weekday AHEAD course; 40% for each meeting of a Weekend University or Saturday AHEAD course.

All registration fees are non-refundable, unless the course is canceled. Federal regulations require that veterans follow the University’s withdrawal policy or be subject to repayment of any benefits received.

Proportional refunds of tuition are also in effect for those courses which do not meet on a full-semester basis. Refunds resulting from a change in program or financial assistance must first be verified by the Bursar’s Office.

All refunds take six weeks to process.
STUDENT
FINANCIAL
ASSISTANCE
Student Financial Assistance

Sacred Heart University is committed to helping students plan financially for their college education. The Office of Student Financial Assistance assists students in locating 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).

Part-time students also are eligible for consideration, but awards are limited and cannot exceed 50 percent of the tuition costs.

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 Stafford (GSL) Loan or PLUS Program are not eligible for assistance.

Application Procedures

To be considered for financial assistance at Sacred Heart University, each year, the student is required to:

1. Complete a Free Application for Federal Student Aid (FAFSA) and the College Scholarship Service Financial Aid Form (FAF), which must be processed through the College Scholarship Service in Princeton, New Jersey, no later than March 1.

2. The following forms must be sent directly to the University's Office of Student Financial Assistance:
   - PELL Grant Student Aid Report;
   - a completed, signed copy of the (parent’s) Federal Income Tax Return (1040, 1040A, and all schedules);
   - a completed, signed copy of the student’s Federal Income Tax Return;
   - a completed Title IV Default/Draft Registration of Educational Purpose form available from the Office of Student Financial Assistance; and
   - a completed and signed Verification of 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 must submit Financial Aid Transcripts (FAT) from all post-secondary institutions attended, before any financial assistance commitment will be made.

5. Both the Free Application for Federal Student Aid (FAFSA) and the College Scholarship Service Financial Aid Form (FAF) must be filed each year that a student is enrolled at the University and intends to apply for assistance.

Notification and Acceptance of Financial Aid Awards

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

Federal Programs

Several federally funded programs are available to qualified students who are U.S. citizens.

Federal PELL Grant

The PELL Grant is an award from the federal government for undergraduate students. The program dictates that if a student demonstrates financial need (through a standard formula used by the U.S. Department of Education), then that student is entitled to some financial assistance in meeting the cost of a college education.

Supplemental Educational Opportunity Grant (SEOG)

The Supplemental Educational Opportunity Grant is for undergraduate students who demonstrate exceptional financial need.

Federal College Work-Study (CWS)

Students who qualify for this program may be assigned a part-time job on campus. Earnings assist in meeting the cost of attending college.

Federal Perkins Loan

The Perkins Loan [formerly the National Direct Student Loan (NDSL)] is a low-interest loan that students may borrow to assist in meeting the cost of a college education.

Federal Stafford Loan (Subsidized and Unsubsidized)

The subsidized Stafford Loan is awarded to students who demonstrate financial need. The government pays the interest on the loan while the student is in school. Students start repayment of the loan (plus interest) after they graduate or leave school and have ten years to repay the loan.

The unsubsidized Stafford Loan is available to students regardless of financial need (i.e., regardless of family income). The student is responsible for interest payments on the loan while attending col-
lege, or may choose to have the interest capitalized. At the time of graduation, withdrawal, or change to less than half-time status, students begin repayment of principal and interest over a ten-year period.

**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 only 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 ten 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 states 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 state need-based grant program available to Connecticut students enrolled in an undergraduate program at a private college or university in Connecticut.

**University Programs**

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

**Connecticut Community College Scholarship**

Transfer students from a community college in the state of Connecticut are eligible to apply. Students must transfer a 3.2 grade point average (GPA) and must maintain a 3.2 GPA for renewal.

**Curtis Community Achievement Award**

The Curtis Community Achievement Award is given to Connecticut residents who have demonstrated commitment to the community, leadership qualities, and proven academic ability. The award is given to students who have demonstrated financial need and do not qualify for any University scholarship program. Two letters of recommendation must be submitted, one describing academic ability and one describing community/leadership qualities. The award is renewable provided the student maintains a 2.7 GPA and shows commitment to the community.

**Endowed Scholarships**

Endowed scholarships are offered in varying amounts to academically worthy students by private organizations, corporations, and individuals. The following scholarships, available at the time of publication of this catalog, are awarded at the discretion of the University.

For information on establishing an endowed scholarship, contact:

John J. Daley, Special Gifts
Office of Institutional Advancement
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: 203-371-7725
FAX: 203-365-7512.
Julius Andras 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 Andras, deceased alumnus.

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

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

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

Dr. Daniel T. Banks Scholarship An award given to a deserving student majoring in science. The recipient must be a full-time student with a minimum GPA of 3.0. Preference given to students interested in a career in medicine. Dr. Banks was a prominent Bridgeport physician.

Arthur J. Brissette Memorial Scholarship Scholarship in memory of deceased member of the University community is available to undergraduates majoring in accounting or business. Based on student’s academic excellence or need.

Dr. John W. Brookes Scholarship Awarded in memory of Dr. Brookes, a former faculty member, to an outstanding student with demonstrated financial need.

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

Bullard Scholarship Established by The Bullard Company, this award is given to a full-time business major.

David E.A. and Sara Carson Scholarship An annual award established by David and Sara Carson of Bridgeport to assist full-time students from a Bridgeport Public High School with financial need.

Evelyn Conley Memorial Scholarship This award, in memory of Evelyn Conley, wife of former University president, Dr. William Conley, is given to outstanding full- or part-time students majoring in para-legal studies or part-time adult students continuing their studies. Established by Mrs. Robert Douglas, a graduate of the para-legal program.

Mary M. Donahue Scholarship Established by Donald J. Donahue in memory of his wife, the awards support deserving minority students.

Charles T. Eby Memorial Scholarship An award given to a full-time history major entering senior year. Requires high academic standing. Charles T. Eby was an associate professor of history at the time of his death.

Douglas Edwards Memorial Scholarship Established in memory of
renowned newscaster Douglas Edwards, a 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 Mr. Hawley, a long-time Trustee and honorary degree recipient of Sacred Heart University.

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

Peter and Anne Jandrisevits Scholarship
Established by Anne S. Jandrisevits, a friend of the University, the scholarship supports learning disabled students.

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

John Katona Memorial Scholarship
Established in memory of “Chubby” for whom the student lounge is named.

Keating Family Scholarship
Established by the estate gift of Loretta M. Keating of Bridgeport, the 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.

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

Martin J. McDermott Memorial Scholarship
Awards given to students from St. Mary’s parish, Stamford. Preference also given to students from the Stamford area.

George Macura Memorial Scholarship
Awarded to a deserving student to purchase books.

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

Lucy Medaglia Memorial Scholarship
A scholarship established by University President Anthony J. Cernera in memory of his grandmother. Proceeds will support 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.

Modern Foreign Language Scholarship
This scholarship award is given to students interested in modern languages. Criteria includes advanced coursework, academic competence and conversational expertise.

Near and Far Aid Association Scholarship
Established by the Near and Far Aid Association, the 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 An award is given to a Catholic student entering senior year and planning a career in elementary education. Must have a cumulative average of 3.0 or better. Selected by members of the Education Department.

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.

Polish Studies Scholarship 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.

Bette Pinder Memorial Scholarship An award in memory of a former staff member, Bette Pinder, 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.

William V. Roberti Scholarship Established by the Tom James Company in honor of William V. Roberti, a University trustee. Preference 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.

Allyson Rioux Memorial Scholarship Awarded to a student athlete in memory of Ms. Rioux, an athletic coach.

Rycenga Scholarship Named in memory of John Rycenga, the University's first chairman of the English department, an award is given to an English major entering his or her senior year. Recipient must demonstrate academic excellence with a GPA of 3.4 or better and high character.

Sacred Heart University/National Italian-American Foundation Matching Scholarship Awarded to a deserving undergraduate student of Italian-American descent.

Earl and Eloise Savage Scholarship An award is given to assist students with cognitive limitations to obtain a quality education.

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

Robert M. Sendar Memorial Scholarship An award is given to chemistry majors at the second year level or higher who have demonstrated academic achievement and financial need. The scholarship was established by the Sendar family in memory of their son, Robert, a chemistry major at Sacred Heart University. Selected by members of the Chemistry Department.

SNET Scholarship Awarded to deserving students.

Carmen Tortora Scholarship Awarded to a deserving nursing student.
Other Scholarship and Financial Assistance Sources

Many corporations, foundations and individuals sponsor annual scholarships. All inquiries on scholarship aid should be made to the University's Office of Student Financial Assistance. For further information on financial assistance contact:

Office of Student Financial Assistance
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: 203-371-7980
Fax: 203-371-7889

Diocesan Scholars

Students who are active members of a parish in the Diocese of Bridgeport are eligible for a scholarship of up to 50 percent of tuition. The following criteria is considered: high school class rank, SAT combined score and high school GPA. The scholarship ranges from 30 percent to 50 percent of tuition and is renewable for four years provided the student maintains a cumulative GPA of 3.0. Although financial need is not a criteria, a financial aid form is required.

Parish Leadership

Students who are active members of a parish in the Diocese of Bridgeport are eligible to apply. The Parish Leadership program awards $500 to $2,000 based on financial need. All awards will be coordinated with any other need-based aid for which the student may qualify.

Phi Theta Kappa Scholarship

Members of the Phi Theta Kappa Honors Society who are transferring into Sacred Heart University for full-time study from another post-secondary institution with a 3.2 GPA and 30 credits completed are eligible to apply. Students must maintain a 3.2 GPA for renewal.

Sacred Heart University Grant-in-Aid

These funds are awarded to undergraduates with financial need.

Student Activity Recognition Awards

These awards are given to students based on leadership and participation in University programs.

Student Tuition Waiver

This program allows students to work on campus and receive a stipend toward tuition in lieu of cash payment.

Transfer Achievement Award

Students transferring into Sacred Heart University for full-time study from another post-secondary institution with a 3.2 GPA and 30 credits completed are eligible to apply. Students must maintain a 3.2 GPA for renewal.

Trustees Scholarship

Any student who ranks in the top 20 percent and/or scores 1,000 on the SATs and/or has a 3.2 high school GPA will receive an award of 33 percent to 50 percent of tuition. The scholarship is renewable for four years provided the student maintains a cumulative GPA of 3.2. Although financial need is not a criteria, a financial aid form is required.
University Student Employment

This program allows students to work on campus for an hourly wage.
STUDENT LIFE
Student 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 departments are committed to the holistic growth of the student through wellness-based cocurricular and extra-curricular programs. The University's goal is to provide the support services and life skills which will help the student succeed in the classroom as well as in pursuits after graduation.

Student Life Office

The Student Life Office oversees all student affairs and is headed by the Dean of Student Affairs. In addition, the Dean serves as the Conduct Officer for the disciplinary system on campus and the liaison for the University to the dining service company. Orientation activities for new students are also coordinated through the Student Life Office.

Commuter Life

Sacred Heart 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 Student Services Office can be reached at 203-371-7846.

Athletics

The Sacred Heart University has a strong commitment to its regionally and nationally recognized NCAA Division II athletic program. As part of the University's overall expansion efforts, the Athletics department has undergone significant expansion to reach its present state of 26 varsity and 10 junior varsity teams. Intramural opportunities are available through the Student Activities office.

Men's Varsity Sports

Baseball
Basketball
Bowling
Crew
Cross Country
Football
Golf
Ice Hockey
Lacrosse
Soccer
Tennis
Track and Field
Volleyball

Women's Varsity Sports

Basketball
Bowling
Crew
Cross Country
Equestrian
Field Hockey
Golf
Lacrosse
Soccer
Softball
Tennis
Track and Field
Volleyball

The athletic program will be enhanced further with the opening of a $13 million state-of-the-art health and recreation center. The complex will include basketball, squash, and racquetball courts, Nautilus room, aerobics room, steam room, and sauna. These facilities also will be used for all intramural activities and will be open for general recreation.
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.

Dining Service
Sacred Heart University has contracted a professional food service corporation to provide meal service 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 Student Life Office to both resident and commuter students as well as the University community.

International Student Services
Sacred Heart University has a growing number of international students. Recognizing that it is difficult to adjust to life in a different country, a new culture, and a diverse educational system, the University provides academic and social support for international students.

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.

Public Safety
The Department of Public Safety develops, coordinates, and implements programs and services designed to create and maintain a safe and secure environment for all members of the University community. This includes 24-hour-a-day preventative foot, motor, and bicycle patrols of all residential halls, academic buildings, and University grounds.

Members of the uniformed, pro-active patrol respond to requests for escort service, crowd control, lost key service, and all reports of criminal, fire, medical, or other emergencies. Public safety officers also coordinate with local emergency services as needed.

Parking permit issuance and enforcement also operate out of the Public Safety Office. All vehicles parking on University property are required to obtain a valid parking permit from the Public Safety Office. Temporary parking permits may also be obtained from the Information Center located at the University’s Park Avenue entrance.

An Information Center operates from 8 am to 8 pm, Monday through Saturday. The center assists the University community and visitors with directions, event information, and other general inquiries.

The Department of Public Safety, which reports to Human Services in the Office of Finance and Administration, sponsors crime prevention programming, with
guest speakers or discussions on personal safety, property protection, and other relevant topics.

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

Student Activities
The Student Activities Office seeks to enhance the college experience outside of the classroom by offering both co-curricular and extra-curricular opportunities for students. Moreover, the Student Activities Office exists to teach life skills to students through formal training sessions and leadership opportunities. The University expects students to become involved in student groups as a part of their college experience.

The Student Activities Office is comprised of the Coordinator of Student Activities, Program Assistants and student workers and 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, student leadership, and intramural sports.

Student Clubs and Organizations

Academic Clubs
Accounting Club
Art Club
Biology Club (AIBS)
Chemistry Club (ACE)
Computer Science Club
Criminal Justice Club
Debate Society
Finance Club
Honors Society
Lambda Alpha Phi (Paralegal Club)
Media Club
Philosophy Club
Political Science Professional Fraternity
Pre-Medical Society
Psychology Club
Respiratory Therapy Club
Social Work Student Organization
Sports Medicine Club

Band, Music, Drama, and Dance
Dance Team
Drill Team
Jazz Band
Marching Band
Pep Band
Thespian Society
University Chorale

Fraternities and Sororities
(local)
Gamma Chi Zeta
Beta Delta Phi
Kappa Phi
Nu Epsilon Omega
Sigma Delta Chi

Intramural and Recreational Sports
Karate Club
Outdoors Club
Cheerleaders
Intramural Sports Board
Men’s Rugby
Women’s Rugby
Multicultural Organizations
Caribbean Club
International Students Club
Italian Club
La Hispanidad
UJAMAA (Black Heritage Club)
Political Clubs
College Republicans
Young Democrats Club
Service Clubs/Organizations
Amnesty International
Campus Ministry Council
Jewish Friendship Organization
PEACE (People Effectively Achieving Community Efforts)
Student Ambassadors
Student Governing Organizations
Student Government
Executive Board
Programming Board
Senate
Finance Board
Class of 1995
Class of 1996
Class of 1997
Class of 1998
Council of Clubs and Organizations
Commuter Council
Residence Hall Association
Student Media
Prologue Yearbook
Spectrum Newspaper
WWPT-FM Student Radio

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

Student Services
Many of the non-academic services provided by the University are facilitated through Student Services, including:

- Commuter student services
- Shuttle service (The Pioneer Wagon)
- Room/facilities reservations
- Student ID cards
- Student handbook
- Game room
- Commuter Council and Commuter Assistants
- Class ring sales
- Alcohol sales in Chubby’s Lounge and the campus alcohol policy

Wellness Center
The Wellness Center, located in Park Avenue House, involves the collective efforts of three areas: Career Services, Counseling, and Health Services.

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

Career Services works with students to locate internship and co-operative educational opportunities as well as part-time or summer employment. Formal job placement workshops and assistance is provided throughout the final year and after graduation as well.
For additional information about Career Services, call 203-371-7975.

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. Sacred Heart University provides two professional counselors who are available weekdays for individual, personal counseling sessions.

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

For additional information about counseling services, call 203-371-7955.

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 the student 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 prevention workshops. Health Services also can make referrals to local health-care facilities and has a discount arrangement with a local pharmacy which will deliver to campus.

For additional information about Health Services, call 203-371-7955.
ACADEMIC POLICIES AND REGULATIONS
Academic Policies and Regulations

Registration
During regularly scheduled registration periods, the student is required to select courses with help from an academic advisor, and 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 students interested in full-time study must apply to the Office of Admissions for matriculation prior to registration. For an appointment, contact the Office of Admissions at 203-371-7880.

New part-time students should contact the Office of Graduate Studies and Continuing Education prior to registration for academic counseling 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.

Academic Appeals
Any student placed on academic probation or dismissed can submit a request for change of status to the Academic Appeals Committee. A student who has been dismissed in previous semesters must obtain permission from the Academic Appeals Committee before re-enrolling in the University. For more information, contact the Office of the Assistant Vice President for Academic Affairs and University Registrar.

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.

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 other people’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 Office of the Provost and 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 less than 6 credits are not eligible for the Dean's List.

Graduation Honors
At 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

Academic Year
The academic year consists of two 14-week semesters. Courses are offered during the day, evening, and on weekends. In addition to the traditional schedule, courses are offered throughout the year in varying course formats. 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.

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 with the Assistant Vice President for Academic Affairs and 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.

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 first week of the semester. Auditors pay the fee plus part-time college fees.

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 during that period.

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

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 can be given by the instructors. A student’s failure to withdraw properly will result in a withdrawal failure (WF grade). Phone withdrawals are not accepted. Students who withdraw unofficially still are responsible for all tuition and fees.

Dismissal Standards
All students subject to dismissal for academic reasons will be reviewed individually prior to a final decision and notification:

1. A student who is on Academic Probation from 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:

   Cumulative GPA
   - After one semester 1.00
   - 16-30 credits attempted 1.50
   - 31-90 credits attempted 1.70
   - 91+ credits attempted 1.90

A student who has been dismissed can appeal the dismissal to the Academic Appeals Committee for reinstatement. The Academic Appeals Committee consists of the Assistant Vice President for Academic Affairs and University Registrar, the Dean of Student Affairs, and six members of the faculty.

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 appeal to the Assistant Vice President for Academic Affairs and University Registrar. Additional tuition is charged for overloads.

Grading System
The undergraduate system of grades, along with points issued for each grade, is:

### Undergraduate System of Grades

<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</td>
<td>0.00</td>
</tr>
<tr>
<td>W</td>
<td>0.00</td>
</tr>
<tr>
<td>WF</td>
<td>0.00</td>
</tr>
<tr>
<td>I</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 faculty and faculty 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, Communications, or major course work. In addition, some
courses have as their prerequisite a grade of C or better. A course must be repeated until a C or better is obtained. A repeated course can only be credited once toward degree requirements.

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 choose up to four courses toward the Baccalaureate degree and up to two courses toward the Associate 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. Major or minor courses cannot be taken under the pass/fail option, except by permission of the major or minor department chairperson.

4. Courses can be taken under pass/fail only from Area B or from elective courses. If the course is from Area B, no more than one course can be from any one section of Area B.

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

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 Assistant Registrar. 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 Assistant Registrar 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.

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. Part-time students should contact the Office of Continuing Education.

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 vac-
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, 371-7838, or stop by the lower level of the Park Avenue House.

Placement Test Policy
All students registering for ES 011, ES 012, ES 051, ES 052, EN 007, or EN 011 and/or MT 005, MT 006, MT 050, MT 080, MT 100, or MT 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 ESL (English as a Second Language) placement.

Students should register for the English Placement Exam by calling the Office of the Academic Incentive Program at 203-371-7812, and for the Math Placement Exam by calling the Mathematics Office at 203-371-7770 or 203-371-7772.

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

Taking 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 faculty chairperson.
- The last 30 credits required for graduation must be taken at a four-year institution.
- 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 Assistant Vice President for Academic Affairs and University Registrar. Credit will not be awarded without prior approval.

Program Changes
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.

**Student Standing**

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

### Good Academic Standing

Students who meet the standards listed below are considered to be in Good Academic Standing.

Grades transferred from other universities will not be counted in Sacred Heart University’s cumulative GPA.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0-15</td>
<td>1.60</td>
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<tr>
<td>16-60</td>
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<tr>
<td>61-90</td>
<td>1.90</td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td>91+</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
</tr>
</tbody>
</table>

### Normal Progress

<table>
<thead>
<tr>
<th>Number Full-Time</th>
<th>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>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Sophomore</td>
<td>24-53</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Junior</td>
<td>54-83</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Senior</td>
<td>84-120</td>
<td></td>
</tr>
</tbody>
</table>

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 maintaining satisfactory academic progress.

### University Cross-Registration Program

Full-time students may take courses at Fairfield University as part of their regular full-time course load provided the courses are not offered that semester at Sacred Heart University. See the Assistant Registrar for details.
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.

Waiver Policies

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 Provost and Vice President for Academic Affairs. Completed applications must be returned to the Academic Affairs Office. 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.

Waiver of Major Course Residency Requirement

On occasion, a transfer student has completed a majority of courses offered by the major discipline. The faculty chairperson can recommend to the Provost and Vice President for Academic Affairs the reduction of one half of the major courses in residence.

Major Requirements

Substitutions for required major courses can be made only with the recommendation of the faculty chairperson for the major discipline and permission from the Office of the Provost and Vice President for Academic Affairs. The total number of credits required cannot be less than the minimum requirements established in the curriculum (i.e., 30 credits for Baccalaureate degree and 15 credits for Associate degree).

Physical Handicap

Any student who has a physical handicap and for whom the completion of a specific degree requirement would cause undue hardship can submit an appeal to the Office of the Provost and Vice President for Academic Affairs for a waiver of that requirement.

Proficiency

The University core provides for proficiency waivers in the following areas: English Composition, Mathematics, Modern Foreign Languages and Speech. University officials to be contacted are chairpersons of the Faculty of Communication Studies and the Faculty of Science, Mathematics, and Computer Science. 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 College Level Examination Program (CLEP) or prior learning. For further information about the CLEP exam, contact the Office of Graduate Studies and Continuing Education.
Substitutions

If a required course is canceled by the University, the faculty 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.
ACADEMIC RESOURCES
Academic Resources

Sacred Heart University currently has 12 buildings on its 56-acre campus in the northeast corner of Fairfield, Connecticut, which house many academic resources.

Academic Center
The Academic Center contains most classrooms and faculty offices, administrative and academic departmental offices. This includes the Academic Affairs and Provost, Athletics, Graduate Studies and Continuing Education, Campus Ministry, Public Safety, Registrar, Student Accounts, Student Affairs and Student Government offices. It houses the faculty offices of Art, Biology, Chemistry, Communication Studies, Computer Science, Criminal Justice, English, Financial Studies, Management, Modern Foreign Language, Music, Nursing, Physical Therapy, Psychology, Sociology and Social Work. It is also a multi-purpose activity center, housing the bookstore, chapel, computer center, Chubby's Lounge, dining hall, Faculty Lounge, Gallery of Contemporary Art, gymnasium, Hawley Lounge, mailroom/print shop, science and language laboratories and theatre.

Art Studios
Art studio work facilities include painting, design, drawing and Illustration studios. Major equipment provided includes reproduction/process cameras, typesetting facilities, Macintosh computers, color and black and white scanners, laser printer, light tables, artograph projectors, air brushes and mounting presses.

Biology Laboratories
The University has four biology laboratories, a climate-controlled greenhouse, and a microbiology preparation laboratory. The laboratories are designed for courses in descriptive and experimental work on human anatomy and physiology, cell physiology, genetics, animal and plant biology/physiology, and environmental studies. 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 a Warburg tissue respirometer; automatic pipetting equipment; high-speed centrifuges, electrophoresis and blotting equipment; hybridization oven; thermal cycler; Ikegami TV microprojector; Olympus compound binocular microscopes; Bausch and Lomb dissecting microscopes; multipurpose Swift fluorescent microscope; microcomputers; and other supporting equipment suitable for undergraduate instruction and research.

Chemistry Laboratories
There are six chemistry laboratories serving the needs of inorganic, physical, analytical and biochemistry. These laboratories contain the following major equipment:
Spectroscopy

Chromatography

Electrochemistry

Other Equipment
Perkin Elmer 240C Elemental Analyzer, Perkin Elmer DSC 2 Differential Scanning Calorimeter, and Johnson Matthey Magnetic Susceptibility Balance.

Computing Facilities
There are five hands-on computer classrooms and one general purpose lab, which currently includes more than 120 IBM-compatible computers and eight Macintosh computers available for student use. Computer classrooms are networked in order to provide a stimulating environment for both student and faculty to capitalize on a high level of creativity and enthusiasm. The academic computers are connected to the campus-wide fileervers thus enabling students and faculty access to Pathworks which allows DOS users access to network services, software packages, printers, campus electronic mail and Internet.

Four of five computer classrooms include Intel Pentium processors, Intel 80486 processors, Intel 80486sx processors, and Intel 80386sx processors. All computer classrooms are equipped with Microsoft Windows and are connected to the campus-wide computer network.

The University’s network includes two mini-computers (DEC 5500s), a VAX-server 3100, an electronic mail server (DEC 3100 workstation) and two Internet servers (DEC 3100 workstations). These systems run a variety of operating systems (including Unix and VMS) as well as various compilers, editors, and software (including ADA, COBOL, C, SPSS, PASCAL, FORTRAN, MODULA-2 and X-WINDOWS).

Personal Computers

Macintosh software includes: Microsoft Excel, Word and Works.

Printing
All classrooms and labs are equipped with dot-matrix printers that can be used free of charge. Laser printers are only available in S-105 for a fee of $.10 per page. Debit cards must be purchased to
use the laser printers and are available through the lab aides in S-105 during regularly scheduled lab hours.

**Computer Classrooms and Labs**
All computer classrooms are available for Sacred Heart University students' use when not occupied by classes. The general lab (S-105) is always available to students on a first-come, first-serve basis. The computer classrooms and labs are located throughout the main academic building:

<table>
<thead>
<tr>
<th>Location</th>
<th>Lab Type</th>
<th>Type/Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>N225</td>
<td>Classroom</td>
<td>PCs (Digital LPV 425sx)</td>
</tr>
<tr>
<td>S202</td>
<td>Classroom</td>
<td>PCs (Digital 320sx)</td>
</tr>
<tr>
<td>S107</td>
<td>Classroom</td>
<td>PCs (Digital LPV+ 433sx)</td>
</tr>
<tr>
<td>S108</td>
<td>Classroom</td>
<td>PCs (Digital 560 Pentium Processors)</td>
</tr>
<tr>
<td>S105</td>
<td>General Lab</td>
<td>PCs, Macintosh, Dumb Terminals</td>
</tr>
</tbody>
</table>

**Computer Lab Availability**
- Monday – Thursday: 8:30 am - 11 pm
- Friday: 8:30 am - 5 pm
- Saturday and Sunday: 10 am - 6 pm

Students may use any classroom when a class is not in session. If there is a need to open other labs for general use, the classrooms closest to S105 should be used first in order to assist and monitor the students efficiently.

**Modern Language Laboratory**
The study of Modern Foreign Languages is enhanced through the use of a state-of-the-art 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, literatures, and history is available.

**Nursing Laboratory**
The University has a nursing laboratory with six exam tables and two hospital beds. The laboratory is designed for courses in fundamentals of nursing practice, health assessment, and pharmacology. Under the direction of faculty and 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. Students can practice these skills prior to their assignments in clinical facilities.

In addition to scheduled class time, the laboratory is open and staffed for student's individual practice in the evenings and on weekends.

**Administration Building**
The Administration Building houses the Media Studies facilities, President's and Business Offices, the Board Room, and a classroom, and faculty offices for History, Mathematics, Media Studies, Philosophy and Religious Studies. Additional administrative offices, including Institutional Advancement and Public Affairs, are housed off campus.

**Media Studies Facilities**
The Media Studies multiple purpose studios are used for video, film, and audio
production. The complex features a multi-camera video studio, a lighting grid with a full complement of instruments controlled with remote dimmers, and multi-track 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. Multi-image slide/tape production equipment and the black and white darkroom offers students additional creative outlets.

Campus Center

The Campus Center houses the offices of Admissions, Student Financial Assistance, the Global Studies Program, and the offices of the Education and Political Science Departments. The Community Room also is located in the Campus Center.

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 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 161,000 print volumes, 75,000 non-print items including AV; 1,300 periodical subscriptions including those on CD-ROM; 12 CD-ROM periodical indexes with full-text journals; 6 multimedia reference works; and 4 online search systems.

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

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.
University Learning Center

The University Learning Center, located in the lower level of the Ryan-Matura Library, offers students at every academic level and from every discipline an opportunity to improve specific language and math skills needed to succeed in courses. Staffed by highly experienced faculty tutors and well-trained peer tutors, the center provides a warm, friendly learning environment where the needs of individual students are the primary concern. The center also provides specialized tutoring for students with learning disabilities (LD) as well as for students who are linguistically diverse (EFL). To schedule an appointment for an individual tutoring session or to sign up for one of the monthly workshops, call the University Learning Center at 203-371-7820.

Samples of workshop topics include: argumentative essay, biology lab reports, chemistry basics, college-level reading, listening skills, research skills, speech preparation, study skills, time management skills, test-taking skills, using the graphic calculator in precalculus, writing the business case study, writing an effective critique, writing an effective essay, and writing about fiction, poetry, drama.

Institute for Religious Education and Pastoral Studies

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 sponsors 20 distinct programs in religious education and pastoral studies at ten different sites throughout the state of Connecticut, mostly serving Roman Catholics yet its programs are for all Christians. REAPS’s programs run from graduate studies certificate programs, non-credit courses, to many offerings in life-long learning.

While a primary focus of the institute is the formation of catechetical leaders, it also provides pastoral formation for those wishing specialized training for church-related work and enrichment for the spiritual life. The institute helps qualify individuals through graduate-level, group, and directed individual learning for Church-related educational and catechetical positions.

The REAPS offices are located in the upper level of the Ryan-Matura Library. The institute’s director can be reached at 203-371-7843 or 203-371-7867.

Radio Stations

The professionally operated WSHU-FM, located in Jefferson House, is a 20,000-watt station at 91.1. 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 287 nation-wide. WSHU-FM offers classical music, news, and public affairs to listeners of Fairfield County, Connecticut, and parts of Long Island, New York. It operates a translator at 90.1 serving the greater Stamford, Connecticut, area and one at 105.7 serving central Suffolk County, Long Island, New York.

Student-run WWPT, a 390-watt station at 90.3 FM, offers rock music, news, and public affairs programs.

The production and on-air studios, record library, and newsrooms of the radio sta-
tions serve as learning laboratories for Media Studies and other disciplines.

Community Resources

In addition to academic resources, Sacred Heart University offers the following community resources:

Center for Christian-Jewish Understanding

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 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. For more information, contact the center at 203-371-7850.

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 who wish to raise and wrestle with broad ethical concerns and ethical 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. Moreover, the institute is committed to the University’s wider mission by cosponsoring, with other departments and institutes, colloquia and conferences that will raise important ethical questions both for the University scholarly community and the general public.
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 school 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.

Connecticut Symphonic Band
The Connecticut Symphonic Band, in residence at the University, offers student musicians the opportunity to perform with outstanding band musicians from the community. Three concerts per year are presented at the University and additional concerts in the outside community. Admission to the band is by audition.

University Chorus
The University Chorus is a contemporary music group for all who enjoy singing. Vocal skills and musicianship are developed through weekly rehearsals and public performance of modern arrangements that feature the best of America’s entertainment music.
SPECIAL ACADEMIC PROGRAMS
Sacred Heart University offers a variety of special academic programs to meet the ever-changing and challenging demands of today’s educational and professional environments. These programs are cross-curricular and some supplement the major or minor course of study. Programs in athletic training, banking, nursing and teacher education detail the course sequences that prepare the student to take accreditation examinations. Detailed in this section are the:

- Academic Advisors (including Newcomer Program and Academic Incentive Program)
- Assessment of Prior Learning Program (including Portfolio Preparation and Submission)
- Athletic Training/Sports Medicine Program
- Banking Program
- College Credit by Examination (including College Level examination Program and American College Testing Proficiency Examination Program)
- Co-Op Internship Program
- English as a Foreign Language (EFL) Program
- Freshman Seminar
- General Studies Program
- Honors Program
- Independent Study and Individual Instruction
- LifeLong Learning Programs
- Pre-Professional Programs
- Reserve Officer Training Corps (ROTC)
- Study Abroad
- Teacher Education Program
- Unified Program in Nursing
- Women’s Studies Program

**Academic Advisors**

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.

Undeclared Freshmen are assigned an advisor from their particular program: Newcomer, English as a Foreign Language (EFL), and/or Academic Incentive Program (AIP). Other faculty members are assigned as advisors for all pre-professional programs. Current faculty advisors’ assignments are listed in the course schedule bulletins each semester.

**Newcomer Program**

The Newcomer Program, the largest of Sacred Heart University’s Freshman Advisory Programs, provides academic advisement 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
collge. 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.

**Academic Incentive Program**

The Academic Incentive Program (AlP) provides the highly motivated, academically under-prepared 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 also is 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 University Learning Center in reading, writing, and study skills.

First semester Freshmen are assigned to an AlP team of 30 students representing two English classes, with two English professors who also serve as AlP faculty advisors and a core curriculum professor. Students register for the following courses:

- EN 007 Foundations for College English — Reading and Writing (3 credits)
- 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 AlP Freshmen register for a traditional program of study, with the guidance of an advisor, and continue to study with the 30-student team and AlP faculty advisors.

At the end of the Freshman year, the AlP 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 AlP faculty advisors.

**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 College Level Examination Program (CLEP) combined. This credit is not awarded in areas where the CLEP is applicable.

Portfolio Preparation and Submission

The Office of Graduate Studies and Continuing Education will assist the student in assembling the portfolio. The portfolio should include a brief work resumé, 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, samples of work, etc. 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 is submitted to the Office of Graduate Studies and Continuing Education, along with the application fee. The portfolio is referred to the appropriate faculty for a determination of any credit award. Some 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 faculty chairperson. A letter of award is prepared.

For additional information on the Assessment of Prior Learning program, contact the Office of Graduate Studies and Continuing Education.

Athletic Training/Sports Medicine Program

The Athletic Training/Sports Medicine program is a recommended sequence of courses totaling 23 credits for the student majoring in any subject that will qualify the student to take the examination by the National Athletic Trainers Association (NATA) for certification as an Athletic Trainer. Also an additional 12 credits are recommended for various state licensing requirements.

Although none of the Athletic Training courses fulfill core requirements, BI 131 and BI 132, Human Anatomy and Physiology I and II (4 credits each), may be used to fulfill Area B-3 core requirements. PS 195, Health Psychology, fulfills 3 credits of Area B-2 requirements. A total of 24 credits may be used as electives.

A student is eligible to take the NATA certification exam once the suggested courses have been completed and the student performs 1,500 hours of on-the-job training under a certified NATA member. The determination to award the certificate is made solely by NATA.

Required Courses

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

Banking Program
Sacred Heart University accepts credits (up to ten courses) from the American Institute of Banking (AIB) program toward the Associate degree programs in Accounting, Banking, and Business Administration and toward the Baccalaureate degree programs in Accounting, Business Administration, and Finance.

Courses listed below in parentheses are equivalent courses offered by the University.
AIB 1000  (AC 101 Principles of Accounting I)
AIB 1010  (AC 102 Principles of Accounting II)
AIB 2310  (EC 201 Principles of Economics)
AIB 3660 Law and Banking  (BU 231 Business Law I)
AIB 4140  (BU 201 Organization Management)
AIB 6204  (Elective)
AIB 6350  (EC 302 Money and Commercial Lending)
AIB 6920  (FN 314 Financial Analyzing Financial Statements)
AIB 7740  (MK 261 Principles of Marketing)
AIB 8325  (Elective)

For an evaluation of credits and additional information about the Banking program, contact the Office of Graduate Studies and Continuing Education.

College Credit by Examination

College Level Examination Program (CLEP)

CLEP is a national program awarding college credit by examination. Sacred Heart University is an official CLEP 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 the degree. College credit is awarded when a student successfully passes a CLEP exam at the 50 percentile.

A schedule of testing dates, applications, and registration guides are available at the Office of Graduate Studies and Continuing Education. A full list of subject exams is included in the registration guide. Completed forms for CLEP examinations should be returned to the Office of Graduate Studies and Continuing Education at least four weeks before the exam date is scheduled.

Since CLEP results usually take two weeks to be reported, students may not take CLEP 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.
American College Testing Proficiency Examination Program (ACT-PEP)

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 203-371-7755.

Co-Op Internship Program

The experiential education program, administered by Career Services, administers paid co-op placements and academic credit internships. By working in professional settings, the student gains practical experience, tests out career goals, and develops self-confidence and professionalism.

Paid co-op opportunities offer the student a set hourly wage. The wage and the number of hours to be worked are flexible. Typically, placements require up to 20 hours per week. Many of these opportunities continue beyond one semester.

Unpaid internships are completed by the student for academic credit. The length of the internship and the number of credits to be awarded are negotiable. Typically, these placements last for one semester and involve up to 20 hours per week.

The student participating in the Co-op/Internship program must have an overall GPA of 2.8 or above and have completed a minimum of 30 semester hours. The graduating student must apply no later than the application period prior to the start of Senior year. The student is required to complete a learning contract, interview evaluation, and Student Description of Placement form.

Organizations employing Co-op/Internship students include business, industry, government, and social service agencies.

Program information can be obtained through Career Services.

English as a Foreign Language (EFL) Program

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 successfully study in an American academic institution. Students are mainstreamed 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 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 (ES 011, ES 012, ES 051, ES 052) the supportive language courses teach the skills of writing, reading, grammar, listening comprehen-
sion, and oral skills using an integrated methodology. At the first two levels (ES 011, ES 012) a student may be advised to register for a conversation course (CA 020). Grades in the supportive courses are calculated into the student's GPA but are not counted toward degree credits.

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.

Freshman Seminar
As part of the Freshman Advisement 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 high school to the independent learning of college. Guided by a faculty/staff instructor, who is also the students' Freshman academic advisor, and supported by upperclass Junior mentors, new students 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.

General Studies Program
The General Studies major program is a Baccalaureate degree program developed specifically for students who are interested in custom designing their own multi-disciplinary curriculum. This program allows a student to investigate areas of study that best serve his or her life and/or work situation.

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; and
- Professional Studies.

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

Course Scheduling
Students may select courses from the University's regular day and evening offerings in the fall, spring, and summer terms. An opportunity also exists for students to take courses in an accelerated format, as well as on the weekend. The program is available at the Main Campus
in Fairfield, with selected courses offered in Stamford and Derby, Connecticut.

Qualifications for Admission
Admission to the General Studies program is open to an individual 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 exams and through the Assessment of Prior Learning Program is also available.

For an appointment or application package, contact the Office of Graduate Studies and Continuing Education.

Honors Program
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 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:
- 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 1,000 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;
Minor in Honors

As noted under Baccalaureate major and minor programs, 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 Lecture Series 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). Normally, independent study is 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; (e.g., 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.

LifeLong Learning Programs

The office of LifeLong Learning offers a variety of learning opportunities at the non-credit level. Courses are scheduled at convenient times, evenings and weekends. Offerings are diversified: courses for personal enrichment, for exploration of new interests, for investigating a new career, for developing a business network. There are workshops and courses to enhance job skills or develop new skills. Continuing Education Units (CEUs) are available, as are certificates of completion. Programs are offered in Fairfield, Derby, Lisbon, and Stamford. Employers may choose to have classes held on their premises. Brochures are available from the Office of LifeLong Learning.
Pre-Professional Programs
Sacred Heart University offers pre-professional programs in Pre-Law, Pre-Medical/Pre-Dental, Pre-Optometry, 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, dentistry, or related health professions at a professional college or university. The balanced curriculum for the program consists of studies in biology, chemistry, English, humanities, mathematics, and the social sciences, and provides the student with the humanistic values and scientific background needed to pursue a career in the health care field.

For further information on these programs, call 203-371-7786.

Pre-Physical Therapy Program
The Pre-Physical Therapy program is a three-year program leading to graduate study in physical therapy at Sacred Heart University. The graduate phase is an additional three years. Application to the graduate 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 graduate 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 will complete this major area of study as part of their undergraduate course work.

The Pre-Physical Therapy course of study provides the necessary prerequisites for the graduate Physical Therapy Program. Students will also complete required and elective core courses required by the University for a Bachelor's of Science or Bachelor's of Arts degree.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BI 111–112</td>
<td>Concepts in Biology I and II</td>
</tr>
<tr>
<td>BI 113, 114</td>
<td>Concepts in Biology Laboratory I and II</td>
</tr>
<tr>
<td>BI 131–132</td>
<td>Human Anatomy and Physiology I and II</td>
</tr>
<tr>
<td>CH 151, 152</td>
<td>General Chemistry I and II</td>
</tr>
<tr>
<td>CH 153, 154</td>
<td>General Chemistry Laboratory I</td>
</tr>
<tr>
<td>CH 221, 223</td>
<td>Organic Chemistry I/ Organic Chemistry Laboratory I</td>
</tr>
<tr>
<td>MT 092</td>
<td>Statistics for Decision Making</td>
</tr>
<tr>
<td>MT 100</td>
<td>Precalculus</td>
</tr>
<tr>
<td>PY 111, 112</td>
<td>General Physics I and II (non-calculus based)</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>PY 151, 152</td>
<td>Principles of Physics I and II (calculus-based)</td>
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<tr>
<td></td>
<td>Psychology (6 credits)</td>
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</tbody>
</table>
Sacred Heart University

Reserve Officer Training Corps (ROTC)

Sacred Heart University’s Army Reserve Officer Training Corps (ROTC) is a four-year program of courses in military science in which the student learns the basic military leadership skills necessary to earn a commission as a Second Lieutenant. ROTC provides all books, uniforms, and equipment necessary for military science courses. In addition to military skills, all cadets are evaluated and counselled on 16 leadership dimensions — skills that transfer well into the civilian job market.

Enrollment in the first two military science courses (MI 131, MI 132) does not incur any military obligation. Contractual obligations begin when the student starts receiving scholarship money, or at the start of the Junior year. The student who contracts in ROTC incurs an eight-year military obligation that can be fulfilled in the reserves or on active duty.

Details are available from the program director by contacting the Office of the Registrar.

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.

Federal, state, and institutional financial assistance is extended to students studying abroad. 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 Global Studies department.

Teacher Education Program

The Education program, administered by the Faculty of Education, offers a professional curriculum approved by the state of Connecticut for certification as elementary, middle school, and secondary school teachers. Special training is offered in nursery school/day care in an Associate degree program for individuals preparing to work with students at the pre-K level in a non-certified role.

Prospective teachers must major in an academic discipline, in addition to completing the teaching certification sequence. Thus, the teacher-graduate enters the job market with more than one skill. The certified teacher possesses a solid academic background and a high level of professional competence.

Training focuses on the personal growth of the teacher, enhancement of a positive self-image, and the social and emotional qualities conducive to teacher effectiveness. The student receives training in those teaching skills based on the best current research.

Mission and Purpose

The Education programs for teachers and administrators 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 and administration are not a result of what one does, but what one is. There is a direct correlation between the level of professional effectiveness and the attainment level of intellectual, emotional, social and moral maturity.

2. Teaching and administration are a calling centered on service to the community, especially to children and youth. A corollary to this is the view that to become a teacher or administrator is never a goal but an ever-developing path of change and growth reflecting the needs of 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 the student to reach an appropriate level of intellectual, emotional, social, and moral maturity.

- To center the teacher's and administrator's education on the caring for students, resulting in their social, psychological, and cognitive growth.

- To help teachers and administrators to investigate, to critically analyze, and, with personal commitment, to effect change in anything that is unjust or inadequate regarding American schools.

- To provide a field-based approach to the education of teachers and administrators in order to integrate theory and practice while developing skills in solving complex problems in an ever-changing society.

- To prepare teachers on the Baccalaureate level to be practically and professionally effective as beginning teachers.

- To provide an education for teachers on the Master's level that builds on the accomplishments of the Baccalaureate level, and an education on the Sixth-Year level that builds on the accomplishments of the Master's level.

- To prepare administrators on the Master's and Sixth-Year levels for leadership roles in the school community according to the espoused principles of personal and professional excellence stated in the philosophy.

- To provide continuing education for teachers and administrators on current issues in American education.

- To continue Sacred Heart University's commitment since its founding to provide the school community with exemplary school personnel and to be a center for the improvement of American education.

Teacher Certification Programs

Elementary, Middle School, and Secondary Teacher Certification programs have been approved by the state of Connecticut. Specialized programs are available in: Pre-Kindergarten–Grade 3, Kindergarten–Grade 6, and Middle School Grades 4–8. The Secondary Education program provides a back-
ground for certification in Grades 7-12 within the areas of biology, business education, chemistry, English, general science, history and social studies, mathematics, or Spanish.

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 (CBT) Exam or qualify for waiver by meeting alternative testing requirements. Complete information and test registration materials may be obtained from the Education Department or Office of Graduate Studies and Continuing Education Office.

- 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 persons able to testify to the candidate’s suitability as a prospective teacher.

- Have an interview by members of the Faculty of Education to assess the candidate’s personal attributes which will affect his or her performance in teaching.

- Maintain a GPA of 2.75.

Elementary School Certification

The program for Elementary School Certification requires the completion of the approved professional education sequence, in addition to those courses required in a University-approved major.

Elementary Certification Applicants Obtaining Certification Prior to July 1, 1998, Must Complete an Elementary Certification Core Common to All Elementary Certification Programs and Additional Courses Specialized in the Certification Area.

Elementary Certification

The Elementary core curriculum requires the completion of 21 credits.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 101</td>
<td>Educational Psychology</td>
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<tr>
<td>ED 152</td>
<td>Education in the United States</td>
</tr>
<tr>
<td>ED 205</td>
<td>Education of Special Needs Students</td>
</tr>
<tr>
<td>ED 207</td>
<td>Classroom Management</td>
</tr>
<tr>
<td>ED 221</td>
<td>Teaching Reading, Writing, and Language Arts</td>
</tr>
<tr>
<td>ED 271</td>
<td>Educational Technology and Computer Applications</td>
</tr>
<tr>
<td>ED 385</td>
<td>Observation and Case Studies of Learners</td>
</tr>
</tbody>
</table>

Pre-Kindergarten–Grade 3 Specialization

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 249</td>
<td>Curriculum in Early Childhood Education</td>
</tr>
<tr>
<td>ED 250</td>
<td>Creative Play, Movement, and Art for Early Childhood</td>
</tr>
<tr>
<td>ED 386</td>
<td>Early Childhood Literature</td>
</tr>
<tr>
<td>ED 390</td>
<td>Student Teaching: Early Childhood Pre-K-Grade 3</td>
</tr>
</tbody>
</table>

Kindergarten–Grade 6 Specialization

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 222</td>
<td>Elementary Curriculum and Methods: Mathematics and Science</td>
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</table>
## Special Academic Programs

### Sacred Heart University

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 223</td>
<td>ED 224</td>
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<tr>
<td>ED 387</td>
<td>ED 225</td>
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<tr>
<td>ED 391</td>
<td>ED 388</td>
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<td>ED 393</td>
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</table>

#### Middle School Grades 4-8 Specialization

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 224</td>
<td>Middle School Curriculum and Methods: Mathematics and Science</td>
</tr>
<tr>
<td>ED 225</td>
<td>Middle School Curriculum and Methods: Social Studies and Health</td>
</tr>
<tr>
<td>ED 388</td>
<td>Middle School Literature</td>
</tr>
<tr>
<td>ED 393</td>
<td>Student Teaching: Middle School</td>
</tr>
</tbody>
</table>

### Secondary Education Specialization

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 265</td>
<td>Secondary Curriculum and Methods in Content Areas</td>
</tr>
<tr>
<td>ED 272</td>
<td>Societal Issues in Adolescence</td>
</tr>
<tr>
<td>ED 342</td>
<td>Teaching Reading and Writing in Content Areas</td>
</tr>
<tr>
<td>ED 395</td>
<td>Student Teaching: Secondary</td>
</tr>
</tbody>
</table>

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 203-371-7808.

**Note:** Students usually begin taking courses in education in their Sophomore year. Prior to registration in the first education courses, students must schedule an appointment with a faculty advisor in the Education Department for detailed information regarding required courses and eligibility. Curriculum changes may be implemented at any time in response to mandates of governing agencies.

### Unified Program in Nursing

In 1984, the unified program was established between Sacred Heart University and St. Vincent's College of Nursing. The program is designed for full-time students who choose to simultaneously earn an Associate and Bachelor's degree in Nursing.

The student accepted to St. Vincent's in the Nursing program may make application to the unified program. The student is screened and advised by appropriate personnel at both institutions to deter-
mine his or her eligibility for acceptance into the unified program.

The candidate is then evaluated for acceptance into the unified program by the joint committee established by St. Vincent's College of Nursing and Sacred Heart University. The student is notified in writing of the review process decision.

After graduating from St. Vincent's College of Nursing, and after meeting the requirements for licensure as a registered nurse, the student continues to study at Sacred Heart University's Nursing program until the BS degree requirements are met.

**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 crosslisted 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 Academic Requirements section.
ACADEMIC REQUIREMENTS
Academic Requirements

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 will possess the intellectual ability to know, judge, reason, analyze, synthesize, discern, and appreciate; a person who will be sensitive and responsible to the needs of society and accept the responsibility to preserve the dignity of their fellow human beings; a person who is aware of the laws which govern the physical world and who will be alert to the preservation of the beauty of nature; a person who possesses a sense of moral responsibility to self, community, and nation.

With the liberal arts as its foundation, Sacred Heart University offers two Baccalaureate degrees: Bachelor of Arts (BA) and Bachelor of Science (BS) in 25 major fields and 22 minor fields. In addition, the University offers five Associate degrees in two categories: Associate in Arts (AA), and four Associate in Science (AS) degrees.

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 of all 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.

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 grade point average of 2.0 is required.

The Baccalaureate curriculum is made up of five components:

1. The required core (Area A: 18 credits)
2. The elective core (Area B: 30–32 credits)
3. The BA/BS requirement (6–8 credits)
4. The major field (30–58 credits)
5. Electives (4–36 credits)

1. Area A: Required Core (18 Credits)

The required core provides the student with a competency in writing, communications, and mathematics, and an appreciation of history and literature.

- Proficiency of written English rhetoric at the collegiate level as determined by the Faculty of Communication 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.

- Proficiency of oral rhetoric as determined by the Faculty of Communication Studies. CA 021 (Effective Communication) with a grade of
C or better normally fulfills this requirement.

- Proficiency of mathematics at the collegiate level. MT 050 (Modern College Mathematics I) or MT 080 (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 such as Introduction to Poetry, etc., will 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 Faculty of Humanistic Studies.

2. 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.

Area B-1

6 credits from at least two of the following disciplines:

- Art/Music
- Literature
- Foreign Language
- Media Studies
- History

Area B-2

9 credits from at least two of the following disciplines:

- Anthropology
- Psychology
- Economics
- Sociology
- Political Science

Area B-3

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

- Biology
- Mathematics
- Chemistry
- Physics
- Computer Science

Area B-4

9 credits from the following two disciplines:

- Philosophy
- Religious Studies

Core Courses

Each core course is marked with a "†" in the Course Descriptions section.

Core curriculum courses:

- provide the student with the basic methodological concepts and perspectives of the discipline including, where germane, the ethical obligation and responsibilities that evolve upon practitioners of the discipline;
- show the student how the discipline fits into the universe of liberal arts;
- 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.
3. Bachelor of Arts/Bachelor of Science Requirement (6–8 Credits)

The BA/BS requirement provides the student with either a study of modern foreign language or additional study in mathematics and science. Students can choose either degree for most majors.

For the BA, the student must complete 6 credits in modern foreign languages at a level depending on his or her previous educational background. Sacred Heart University offers language on three levels: First-Year, Intermediate, and Advanced. These credits cannot be used in Area B-1.

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

4. 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 below the major:

**Accounting**

**Art**
- Graphic Design
- Painting
- Illustration

**Biology**

**Business Administration**
- International Marketing
- Business Sports
- Legal Management

**Chemistry**
- Biochemistry
- Environmental
- Traditional

**Computer Science**
- Information Technology Scientific

**Criminal Justice**
- Criminal Justice Law Enforcement
- System and Organization Security
- Corrections

**Economics**

**English**
- Communication Literature
- Drama Writing
- Generalist

**Finance**

**General Studies**

**Global Studies**
- Developing World Area Studies
- East Asian Area Studies
- European Area Studies
- International Systems
- Latin American Area Studies

**History**

**International Business**

**Mathematics**

**Media Studies**

**Medical Technology**

**Nursing**
- BSN Completion Program
- First Professional Degree Program

**Philosophy**

**Political Science**

**Psychology**

**Religious Studies**

**Social Work**

**Sociology**

---

Sacred Heart University
Spanish

5. 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 Athletic Training, Education, Honors or a Pre-professional Program (Pre-Law, Pre-Medical/Pre-Dental, Pre-Physical Therapy). These are explained in the Special Academic Programs section.

Minor Programs

In addition to a major, the student can choose an optional minor program:

<table>
<thead>
<tr>
<th>Art</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Media Studies</td>
</tr>
<tr>
<td>Business Administration</td>
<td>Music</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Political Science</td>
</tr>
<tr>
<td>Economics</td>
<td>Psychology</td>
</tr>
<tr>
<td>English</td>
<td>Religious Studies</td>
</tr>
<tr>
<td>French</td>
<td>Sociology</td>
</tr>
<tr>
<td>History</td>
<td>Spanish</td>
</tr>
<tr>
<td>Honors</td>
<td>Sports Management</td>
</tr>
<tr>
<td>Italian</td>
<td>Women's Studies</td>
</tr>
</tbody>
</table>
Major and Minor Programs

Accounting

*Faculty of Financial Studies, Government, and Law*

The effective use of financial information is vital for decision makers in business, industry, banking, government, education, law, and many related fields. Individuals with strong backgrounds in accounting and finance are in great demand for such positions 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 the student who enters the accounting profession. The program meets the needs of the student who plans to start a career after graduation or who plans to continue his or her education on the graduate level.

**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 MT 080 and MT 110 as part of their required baccalaureate core, since they are prerequisites for certain accounting courses.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 101</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>AC 102</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>AC 201, 202</td>
<td>Intermediate Accounting I and II</td>
</tr>
<tr>
<td>AC 301, 302</td>
<td>Advanced Accounting I and II</td>
</tr>
</tbody>
</table>

**Required Supporting Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 009</td>
<td>Introduction to Data Processing</td>
</tr>
<tr>
<td>EC 201</td>
<td>Principles of Economics I</td>
</tr>
</tbody>
</table>

**Recommended Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 201</td>
<td>Organization Management</td>
</tr>
<tr>
<td>MK 261</td>
<td>Principles of Marketing</td>
</tr>
</tbody>
</table>

**Additional economics courses**

**Academic Requirements for AICPA Examination**

The minimum academic requirements for those planning to take the American Institute of Certified Public Accountants (AICPA) examination in the state of 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 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 complete 150 credit hours of education. Plans have been initiated to address this new requirement. Students should check with their departmental advisors regarding compliance.

Art

Faculty of Humanistic Studies

Creative vision is expressed in many ways. The artist may work independently or as part of a team. Using imagination and sensitivity, the artist conveys a message to the desired public. Three concentrations are offered in the Art major: Graphic Design, Illustration, and Painting.

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

Illustrators are used in all facets of visual communication, including book production, periodical publishing, preparation of educational aids, advertising, and television. To provide a foundation for the variety of challenges faced in the profession, the illustration concentration includes courses in painting, drawing, and computer rendering.

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.

Major in Art

The major in Art requires the completion of 46 credits for a concentration in Graphic Design or Illustration and 43 credits for a concentration in Painting. All Art majors complete 19 credits in foundation courses plus 24–27 credits in their area of concentration.

Required Courses for All Art Concentrations

AR 090 Foundation Portfolio
AR 101 Art in the Western World
AR 110 Visual Organization
AR 111 Design: Color
AR 120 Drawing I
AR 201 Studies in Modern Art
AR 220 Drawing II

Additional Required Courses for Graphic Design Concentration

AR 112 Design: Three-Dimensional Graphics
AR 130 Painting I
or
AR 131 Watercolor
AR 160 Foundations in Illustration
AR 211 Typography/Layout
AR 212 Graphic Processes
AR 270 Graphic Design I
AR 271 Graphic Design II
AR 370 Advanced Graphic Design
AR 390 Portfolio Preparation

Additional Required Courses for Illustration Concentration

AR 130 Painting I
AR 160 Foundations in Illustration
AR 211 Typography/Layout
AR 221 Drawing III
AR 223 Three-Dimensional Drawing
AR 260 Illustration I
78 Academic Requirements

Sacred Heart University

AR 261 Illustration II
AR 360 Illustration III
AR 390 Portfolio Preparation

Additional Required Courses for Painting Concentration
AR 130 Painting I
AR 221 Drawing III
AR 230 Painting II
AR 231 Painting III
AR 320 Drawing IV
AR 330 Painting IV
AR 391 Senior Project
One course in studio electives

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

Required Courses for Art Minor with Graphic Design Concentration
AR 110 Visual Organization
AR 111 Design: Color
AR 112 Design: Three-Dimensional Graphics
AR 211 Typography/Layout
AR 212 Graphic Processes
AR 270 Graphic Design I

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

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

One course in art history

Biology

Faculty of Science, Mathematics, and Computer Science
The Biology major provides the intellectual and technical skills necessary for a wide range of exciting and productive careers in a rapidly changing world. This program enables the graduate to pursue graduate school, medical school, teaching, a career in allied health, or research.

The curriculum generates a special respect for the diversity of life and an essential understanding of the impact humans have on their environment.

Major in Biology
The major in Biology requires the completion of 36 biology credits and 18–19 required supporting credits.

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

*Students who earn B+ or better for BI 010 are eligible to take BI 112 lecture only. BI 113, however, is a prerequisite for BI 114.

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 312 Systems Physiology

**Molecular Biology Module**
- BI 230 Microbiology
- BI 311 Cell Biochemistry
- BI 320 Advanced Genetics Seminar
- BI 325 Immunology
- BI 330 Virology
- 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 2–6 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

**Academic Requirements**

CH 224 Organic Chemistry Laboratory

MT 092 Statistics for Decision Making

At least 4 credits in physics at the 100 level or above

One other mathematics course (MT 100 or above) to be recommended by the Biology advisor

**Minor in Biology**
The minor in Biology requires the completion of 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 I Laboratory I

**Also Required**
Three biology courses at the 200 or 300 level in consultation with a Biology advisor.

**Business Administration**

**Faculty of Management**
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.
Major in Business Administration

The major in Business Administration requires the completion of 51 major credits plus 6 credits in related fields. MT 080 and MT 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 101</td>
<td>Principles of Accounting I</td>
<td>English Elective</td>
</tr>
<tr>
<td>AC 102</td>
<td>Principles of Accounting II</td>
<td>English Elective</td>
</tr>
<tr>
<td>BU 103</td>
<td>Business: Its Nature and Environment</td>
<td>English Elective</td>
</tr>
<tr>
<td>BU 201</td>
<td>Organization Management</td>
<td>International Business</td>
</tr>
<tr>
<td>BU 202</td>
<td>Organizational Behavior</td>
<td>International Business</td>
</tr>
<tr>
<td>BU/CA 221</td>
<td>Business Communications</td>
<td>International Business</td>
</tr>
<tr>
<td>BU 231</td>
<td>Business Law I</td>
<td>International Business</td>
</tr>
<tr>
<td>BU 241</td>
<td>Business Statistics</td>
<td>International Business</td>
</tr>
<tr>
<td>BU/IB 278</td>
<td>Principles of International Business</td>
<td>International Business</td>
</tr>
<tr>
<td>BU 301</td>
<td>Business Policy</td>
<td>International Business</td>
</tr>
<tr>
<td>EC 202</td>
<td>Principles of Economics I</td>
<td>International Business</td>
</tr>
<tr>
<td>FN 215</td>
<td>Financial Management</td>
<td>International Business</td>
</tr>
<tr>
<td>MK 261</td>
<td>Principles of Marketing</td>
<td>International Business</td>
</tr>
<tr>
<td>PD 275</td>
<td>Principles of Production and Inventory Control</td>
<td>International Business</td>
</tr>
</tbody>
</table>

**Additional Required Courses for International Business Concentration**

Three international business (IB) electives

### Additional Required Courses for Management Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 257</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>EC 302</td>
<td>Money and Financial Institutions</td>
</tr>
</tbody>
</table>

One finance elective

### Additional Required Courses for Sports Management Concentration

Three Sports Management electives from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 206</td>
<td>Organization and Administration of Sports</td>
</tr>
<tr>
<td>BU/MS 222</td>
<td>Sports Communications</td>
</tr>
<tr>
<td>BU 235</td>
<td>Sports Law</td>
</tr>
<tr>
<td>MK 265</td>
<td>Sports Marketing</td>
</tr>
<tr>
<td>HR 210</td>
<td>Human Resource Management: The Sports Environment</td>
</tr>
</tbody>
</table>

### Additional Required Courses for Marketing Concentration

Three marketing electives

### Required Supporting Courses for All Business Administration Concentrations

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 009</td>
<td>Introduction to Data Processing</td>
</tr>
<tr>
<td>EC 201</td>
<td>Principles of Economics I</td>
</tr>
</tbody>
</table>

### Legal Administration Concentration

The Baccalaureate degree in Business Administration with a concentration in Legal Administration provides the student with a course of study combining business and law. This synthesis of studies prepares the student to bring a managerial perspective to today's competitive legal environment. The student will gain skills to handle a wide range of specialized responsibilities in the legal field. Upon completion of this course of study, the student will be prepared for a career in a law firm, corporate legal department, insurance
company, governmental agency, or the pursuit of a graduate degree.

Required Courses for Legal Administration Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 101</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>AC 102</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>BU 201</td>
<td>Organization Management</td>
</tr>
<tr>
<td>BU 202</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>BU 241</td>
<td>Business Statistics</td>
</tr>
<tr>
<td>EC 202</td>
<td>Principles of Economics II</td>
</tr>
<tr>
<td>LW 101</td>
<td>Criminal Law and Torts</td>
</tr>
<tr>
<td>LW 102</td>
<td>Contracts and Uniform Commercial Code</td>
</tr>
<tr>
<td>LW 121</td>
<td>Legal Research I</td>
</tr>
<tr>
<td>LW 122</td>
<td>Legal Research II/Writey</td>
</tr>
<tr>
<td>LW 161</td>
<td>Legal Office Procedures</td>
</tr>
<tr>
<td>LW 201</td>
<td>Business Organizations and Domestic Relations</td>
</tr>
<tr>
<td>LW 202</td>
<td>Property and Conveyancing</td>
</tr>
<tr>
<td>LW 203</td>
<td>Estates, Probate, and Taxation</td>
</tr>
<tr>
<td>LW 238</td>
<td>Litigation and the Civil Procedures</td>
</tr>
</tbody>
</table>

Plus 6 credits of elective law courses

Minor in Business Administration

The minor in Business Administration requires the completion of 24 credits, plus the required supporting course, EC 201.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 101</td>
<td>Principles of Accounting I</td>
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<tr>
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<td>Business: Its Nature and Environment</td>
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<tr>
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<tr>
<td>BU 231</td>
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</tr>
<tr>
<td>EC 202</td>
<td>Principles of Economics II</td>
</tr>
<tr>
<td>MK 261</td>
<td>Principles of Marketing</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 206</td>
<td>Organization and Administration of Sports</td>
</tr>
<tr>
<td>BU/MS 222</td>
<td>Sports Communications</td>
</tr>
<tr>
<td>BU 235</td>
<td>Sports Law</td>
</tr>
<tr>
<td>HI 129</td>
<td>History of Sports in America</td>
</tr>
</tbody>
</table>

Plus two electives from the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR 210</td>
<td>Human Resource Management: The Sports Environment</td>
</tr>
<tr>
<td>MK 265</td>
<td>Sports Marketing</td>
</tr>
<tr>
<td>PS 122</td>
<td>Sports Psychology</td>
</tr>
<tr>
<td>SO 122</td>
<td>Sociology of Sports</td>
</tr>
</tbody>
</table>

Chemistry

Faculty of Science, Mathematics, and Computer Science

The Chemistry program offers a balanced curriculum that ensures a thorough, modern education. In addition to providing the student with the necessary preparation for graduate study in the various areas of Chemistry and/or employment in the chemical industries, 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. Three areas of concentration. The student majoring in Chemistry with a BS degree can choose a Traditional,
Biochemistry, or Environmental concentration.

The Traditional concentration provides a curriculum with strong supportive courses in mathematics and physics. The 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 from supporting disciplines. This concentration is appropriate for the student planning a career or graduate work in any of the allied environmental professions.

Major in Chemistry

Requirements for the BS 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 151</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CH 152</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CH 153</td>
<td>General Chemistry Laboratory I</td>
</tr>
<tr>
<td>CH 154</td>
<td>General Chemistry Laboratory II</td>
</tr>
<tr>
<td>CH 221</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CH 222</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>CH 223</td>
<td>Organic Chemistry Laboratory I</td>
</tr>
<tr>
<td>CH 224</td>
<td>Organic Chemistry Laboratory II</td>
</tr>
<tr>
<td>CH 252</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>CH 254</td>
<td>Analytical Chemistry Laboratory</td>
</tr>
<tr>
<td>CH 331</td>
<td>Physical Chemistry I</td>
</tr>
<tr>
<td>CH 333</td>
<td>Physical Chemistry Laboratory I</td>
</tr>
<tr>
<td>CH 351</td>
<td>Instrumental Analysis</td>
</tr>
<tr>
<td>CH 353</td>
<td>Instrumental Analysis Laboratory</td>
</tr>
<tr>
<td>CH 393</td>
<td>Undergraduate Project</td>
</tr>
<tr>
<td>CH 395</td>
<td>Undergraduate Research</td>
</tr>
</tbody>
</table>

Required Supporting Courses for All Concentrations

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT 100</td>
<td>Precalculus (waived on examination)</td>
</tr>
<tr>
<td>MT 151</td>
<td>Introductory Calculus</td>
</tr>
<tr>
<td>MT 152</td>
<td>Mathematical Analysis I</td>
</tr>
<tr>
<td>PY 151</td>
<td>Principles of Physics I</td>
</tr>
<tr>
<td>PY 152</td>
<td>Principles of Physics II</td>
</tr>
</tbody>
</table>

Additional Required Courses for Traditional Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 332</td>
<td>Physical Chemistry II</td>
</tr>
<tr>
<td>CH 334</td>
<td>Physical Chemistry Laboratory II</td>
</tr>
<tr>
<td>CH 355</td>
<td>Advanced Inorganic Chemistry</td>
</tr>
</tbody>
</table>

Additional Required Supporting Course for Traditional Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT 251</td>
<td>Mathematical Analysis II</td>
</tr>
</tbody>
</table>

A minimum of 10–12 credits of chemistry electives should be taken to enhance career and graduate study opportunities. Electives should be
Sacred Heart University

selected in consultation with the student's faculty advisor.

**Additional Required Courses for Biochemistry Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 321</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>CH 322</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>CH 323</td>
<td>Biochemistry Laboratory I</td>
</tr>
<tr>
<td>CH 324</td>
<td>Biochemistry Laboratory II</td>
</tr>
</tbody>
</table>

**Additional Required Supporting Course for Biochemistry Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL 111</td>
<td>Concepts in Biology I</td>
</tr>
</tbody>
</table>

In addition to the above courses, 2–3 chemistry electives and 1–3 computer science courses are strongly recommended. For pre-health professions students, BL 111 and BL 112 and two biology courses at the 200 level or higher are recommended.

**Additional Required Courses for Environmental Chemistry Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 341</td>
<td>Environmental Chemistry</td>
</tr>
<tr>
<td>CH 342</td>
<td>Toxicology</td>
</tr>
<tr>
<td>CH 343</td>
<td>Environmental Sampling and Analysis</td>
</tr>
<tr>
<td>CH 344</td>
<td>Environmental Regulation</td>
</tr>
</tbody>
</table>

**Additional Required Supporting Course for Environmental Chemistry**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL 350</td>
<td>Ecology</td>
</tr>
</tbody>
</table>

**Requirements for the BA Degree in Chemistry**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 151</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CH 152</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CH 153</td>
<td>General Chemistry Laboratory I</td>
</tr>
<tr>
<td>CH 154</td>
<td>General Chemistry Laboratory II</td>
</tr>
<tr>
<td>CH 221</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CH 222</td>
<td>Organic Chemistry II</td>
</tr>
</tbody>
</table>

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

**Computer Science and Information Technology**

*Faculty of Science, Mathematics, and Computer Science*

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 Scientific and Information Technology concentrations.

A graduate with a Baccalaureate degree in Computer Science will be well prepared to undertake any graduate program leading to a Master's or Doctoral degree in Computer Science, as well as in Operations Research, Applied Operations Research, Applied Mathematics, or Statistics.

Graduates with degrees in Computer Science 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 (MCIS) has been established in order to allow candidates to pursue a degree in the advanced computing areas. Two options, scientific and information, have been developed to complement the existing undergraduate programs.

**Major in Computer Science**

The major in Computer Science with the Scientific concentration requires the completion of 55 credits. The major in Computer Science with the Information concentration requires the completion of 57 credits.

**Required Courses for Both Concentrations**

- CS 011 Introduction to Computer Science
- CS 050 Introduction to Structured Programming
- CS 051 Data Structures
- CS 130 Computer Systems
- CS 203 Data Base Design
- CS 210 Software Engineering

**Additional Required Courses for Scientific Concentration**

- CS 120 FORTRAN Programming
- CS 211 C: Advanced Programming
- CS 220 The Analysis of Algorithms I
- CS 221 Numerical Computation
- CS 240 Introduction to Systems Programming
- CS 340 Structured Programming Language/Compiler Design
- MT 251 Mathematical Analysis II
- MT 261 Linear Algebra
- MT 291 Mathematical Probability and Statistics I

**Required Supporting Courses for Scientific Concentration**

- MT 151 Introductory Calculus
- MT 152 Mathematical Analysis I

**Required Courses for Information Technology Concentration**

- AC 101 Principles of Accounting I
- BU 201 Organization Management
- CS 155 COBOL Programming
- CS 255 Advanced COBOL Programming
- CS 290 System Analysis and Design
- CS 323 Theory of Computation
- CS 300 Data Communication and Systems Networking
- CS 358 Fourth-Generation Languages
- MT 070 Discrete Mathematics
- MT 071 Quantitative Methods

Two computer science electives

**Required Supporting Course for Information Technology Concentration**

- MT 092 Statistics for Decision Making
Additional Recommended Supporting Courses for Information Technology Concentration
AC 102  Principles of Accounting II
BU 202  Organizational Behavior
BU/CA 221 Business Communications
FN 215  Financial Management

Minor in Computer Science and Information Technology
The minor in Computer Science requires the completion of 24 credits.

Required Courses
CS 011  Introduction to Computer Science
CS 050  Introduction to Structured Programming
CS 051  Data Structures
CS 130  Computer Systems
CS 203  Data Base Design
CS 210  Software Engineering

Two computer science electives approved by the faculty advisor.

Criminal Justice
Faculty of Social and Behavioral Sciences
The Criminal Justice program provides the student with a comprehensive understanding of the criminal justice system as a whole, 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.

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. Students may concentrate in Criminal Justice System and Organization, Corrections, Law Enforcement, or Security.

The Criminal Justice student is advised to take SO 101 or PS 101 and MT 060 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/ PO 351/ LW 234  American Constitutional Law
CJ 201  Criminal Law and Procedure
CJ 270  Issues and Problems in Criminal Justice
SO 235  Criminology
SO 236  Juvenile Delinquency
SO 237  Deviance and Social Control
SO 332  Statistics for the Social Sciences
SO 381  Methods of Social Research II
Additional Required Courses for Criminal Justice System and Organization Concentration

This 24-credit sequence is for the student who desires a broad knowledge of the criminal justice system and its organization. No specific courses are required except the internship. In this program, the student may combine no more than four courses from any other specialization, except with permission of the chairperson. The course of study is created by the student in consultation with his or her advisor.

Additional Required Courses for 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 (6 credits and permission of the department)

Additional Required Courses for Law Enforcement Concentration

CJ 230  Introduction to Law Enforcement
CJ 231  Criminal Investigation
CJ 235/LW 235  Law of Evidence
CJ 238  Police Administration
CJ 330  Police Community Relations
CJ 339  Police Supervision
CJ 390  Internship (6 credits and permission of the department)

Additional Required Courses for Security Concentration

CJ 240  Introduction to Security
CJ 241  Security Organization and Administration
CJ 245  Computer Security
CJ 243  Private Security Law
CJ 244  Security and Loss Prevention
CJ 340  Physical Security Strategies
CJ 390  Internship (6 credits and permission of the department)

Economics

Faculty of Financial Studies, Government, and Law

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

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 major is advised to take MT 080 and MT 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 for Minor**
EC 201 Principles of Economics I
EC 202 Principles of Economics II
Four economics electives at the 200 level or higher

**English**

**Faculty of Communication Studies**
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 literatures.

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).

**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: Communication, Drama, Generalist, Literature, or Writing.

**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 British Literature
EN 310 British Literature to 1603
EN 312 Seventeenth-Century British Literature
Late-Seventeenth-Century British Literature Through the Romantic Period
EN 313 Restoration and Eighteenth-Century British Literature
EN 314 The Romantic Period in British Literature
The Victorian Period Through Twentieth-Century British Literature
EN 315 The Victorian Period in British Literature
EN 316 Twentieth-Century British Literature
Early American Literature
EN 250 Literature in a New Land: American Writing
EN 255 Early American Black Literature
EN 256 The American Renaissance
Mid-Nineteenth Century Through Twentieth-Century American Literature

EN 257 From Dickinson to Eliot: Out of the Woods and into the Wasteland
EN 258 Faulkner to the Present
EN 386 Black Writers in America

Additional Required Courses for Communication 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 Communications
EN 230-239 Studies in Drama: Special Topics

Additional Required Courses for Generalist Concentration

Five English or communications courses listed under the four areas of concentration presented.

Additional Required Courses for Literature Concentration

EN 391 British Literature Seminar
or
EN 392 American Literature Seminar

Four courses from the following:
EN 201 Masterpieces in Literature
EN 207 Studies in Language: Introduction to English Language Study
EN 230-239 Studies in Drama: Special Topics
EN 280-289 Studies in World Literature: Special Topics
EN 320-329 Studies in Poetry: Special Topics
EN 340-359 Studies in Fiction: Special Topics
EN 384-385 Studies in Black Literature: Special Topics
EN 390 Studies in Literary Criticism: Special Topics
EN 399 Independent Study

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

Minor in English
The minor in English requires the completion of 18 credits in one of the five following areas of concentration:

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

Required Courses for Minor with 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

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

Required Courses for Minor with 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.

English Education Certification Program

Required Courses for Elementary English Education
EN 207 Studies in Language: Introduction to English Language Study
EN 375 Advanced Composition
EN/ED 387 Children's Literature

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

Faculty of Financial Studies, Government, and Law

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

Major in Finance

The major in Finance requires the completion of 51 major credits plus 6 credits in related fields. The student is advised to take MT 080 and MT 110 as part of the required Baccalaureate core, since these are prerequisites for certain finance courses.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 101</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>AC 102</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>BU 201</td>
<td>Organization Management</td>
</tr>
<tr>
<td>BU 202</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>BU/CA 221</td>
<td>Business Communications</td>
</tr>
<tr>
<td>BU 231</td>
<td>Business Law I</td>
</tr>
<tr>
<td>BU 241</td>
<td>Business Statistics</td>
</tr>
<tr>
<td>BU 257</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>BU 301</td>
<td>Business Policy</td>
</tr>
<tr>
<td>EC 202</td>
<td>Principles of Economics II</td>
</tr>
<tr>
<td>EC 302</td>
<td>Money and Financial Institutions</td>
</tr>
<tr>
<td>FN 215</td>
<td>Financial Management</td>
</tr>
<tr>
<td>FN 251</td>
<td>Corporate Finance</td>
</tr>
<tr>
<td>FN 315</td>
<td>Investments</td>
</tr>
<tr>
<td>MK 261</td>
<td>Principles of Marketing</td>
</tr>
</tbody>
</table>

And two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN 241</td>
<td>Financial Markets: Structure and Performance</td>
</tr>
<tr>
<td>FN 314</td>
<td>Financial Analysis</td>
</tr>
<tr>
<td>FN 316</td>
<td>International Financial Management</td>
</tr>
<tr>
<td>FN 317</td>
<td>Portfolio Management</td>
</tr>
<tr>
<td>FN 318</td>
<td>Current Problems in Finance</td>
</tr>
<tr>
<td>FN 386</td>
<td>Japan: The Economic and Financial System</td>
</tr>
</tbody>
</table>

Additional Required Supporting Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 009</td>
<td>Introduction to Data Processing</td>
</tr>
<tr>
<td>EC 201</td>
<td>Principles of Economics I</td>
</tr>
</tbody>
</table>

General Studies

The General Studies major program is a Baccalaureate degree program developed specifically for students who are interested in custom-designing their own multi-disciplinary curriculum. See the Special Academic Programs section for specific information and requirements.

Global Studies

Faculty of Financial Studies, Government, and Law

The major in Global Studies is designed for students who have strong international interests and wish to pursue those interests in an interdisciplinary program. Five concentrations are offered in the Global Studies major: Developing World Area Studies, East Asian Area Studies, European Area Studies, International Systems, or Latin American Area Studies.

Students study a common core of seven courses, select an elective concen-
tration which includes six courses, gain advanced level competency in a foreign language, and apply and expand their knowledge in a study abroad or internship experience.

**Major in Global Studies**

The major in Global Studies requires the completion of at least 39 credits.

**Required Courses**

- AN 102 Cultural Anthropology
- EC 201 Principles of Economics I
- EC 202 Principles of Economics II
- GS 101 Introduction to Global Studies
- GS 150 World Geography
- GS 301 Senior Seminar
- PO 122 Introduction to International Relations

**Foreign Language Requirement**

Global Studies majors must show competency at the advanced level in a second language. The number of courses needed to fulfill this requirement will vary depending on the student's background. The language selected must complement the student's elective concentration. For example, students concentrating in East Asian Area Studies will take Japanese.

**Experiential Learning Requirement**

Global Studies majors will either study abroad or do an international internship. The student's study abroad experience or internship should be integrally related to their language study and elective concentration.

**Additional Required Courses for All Concentrations**

Six courses from the elective concentration. Courses must be from at least three disciplines and at least half of the courses must be upper division offerings.

**Latin American Area Studies**

- EC 323 Economic Stabilization Programs in Latin America
- EN 347 Literature Across Borders
- GS 255 Central and South American Geography
- HI 210 Survey of Latin American History
- HI 211 Discovery and Conquest 1492-1598
- HI 212 Twentieth Century Latin America
- PO 246 U.S. Foreign Policy and the Third World
- PO 315 Latin American Politics
- SP 281 Hispanic Civilization and Culture: Spanish America
- SP 283 The Hispanic Caribbean
- SP 363-369 El Dictador en el XX Siglo
- SP 363-369 Spanish American Fiction

**European Area Studies**

- EC 342 European Economic Development
- EC 324 Economic Stabilization and Reform in Central Europe
- EC 325 European Economic Community
- EN 314 The Romantic Period in British Literature
- EN 315 The Victorian Period in British Literature
- EN 316 Twentieth Century British Literature
- EN 345 Women's Autobiography
- FR 280 French Civilization and Culture
- GS 251 European Geography
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HI 214</td>
<td>French Revolution and Napoleon</td>
<td>GS 250</td>
<td>African Geography South of the Sahara</td>
</tr>
<tr>
<td>HI 215</td>
<td>Europe 1815-1914</td>
<td>GS 254</td>
<td>The Geography of the Middle East and North Africa</td>
</tr>
<tr>
<td>HI 216</td>
<td>Princes to Peasants</td>
<td>HI 210</td>
<td>Survey of Latin American History</td>
</tr>
<tr>
<td>HI 217</td>
<td>Twentieth Century Europe</td>
<td>HI 211</td>
<td>Discovery and Conquest, 1492–1598</td>
</tr>
<tr>
<td>HI 287</td>
<td>The Holocaust</td>
<td>HI 236</td>
<td>History of Arab World</td>
</tr>
<tr>
<td>IT 280</td>
<td>Italian Civilization and Culture</td>
<td>HI 238</td>
<td>Modern Arab World</td>
</tr>
<tr>
<td>PO 311</td>
<td>Comparative Western European Politics</td>
<td>HI 296</td>
<td>Patterns of Revolution</td>
</tr>
<tr>
<td>PO 312</td>
<td>Russia: Reform, Reaction or Revolution</td>
<td>MS 382</td>
<td>Third-World Cinemas</td>
</tr>
<tr>
<td>PO 313</td>
<td>Central and Eastern European Politics</td>
<td>PO 245</td>
<td>U.S. Foreign Policy in Africa</td>
</tr>
<tr>
<td>SP 280</td>
<td>Spanish Civilization and Culture</td>
<td>PO 246</td>
<td>U.S. Foreign Policy in the Third World</td>
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<tr>
<td></td>
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<td>PO 314</td>
<td>Politics of the Middle East</td>
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<td></td>
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<td>PO 315</td>
<td>Latin American Politics</td>
</tr>
<tr>
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<td>PO 317</td>
<td>African Politics</td>
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<td></td>
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<td>SO 200</td>
<td>Social Issues and Social Change</td>
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<td></td>
<td><strong>East Asian Area Studies</strong></td>
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<tr>
<td>EC 386</td>
<td>Japan: The Economic and Financial System</td>
<td>EC 303</td>
<td>Global Macroeconomic</td>
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<tr>
<td>GS 257</td>
<td>The Geography of the Western Pacific Rim and South Asia</td>
<td>EC 322</td>
<td>International Economics</td>
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<tr>
<td>HI 184</td>
<td>Japan's Economic Miracle</td>
<td>EC 344</td>
<td>Comparative Economic Systems</td>
</tr>
<tr>
<td>HI 281</td>
<td>Introduction to the Civilization of East Asia</td>
<td>HI 296</td>
<td>Patterns of Revolution</td>
</tr>
<tr>
<td>HI 282</td>
<td>East Asia in the Modern World</td>
<td>PO 242</td>
<td>International Organizations</td>
</tr>
<tr>
<td>HI 283</td>
<td>History of Modern China</td>
<td>PO 341</td>
<td>International Law</td>
</tr>
<tr>
<td>HI 284</td>
<td>History of Modern Japan</td>
<td>PO 285</td>
<td>Future Politics</td>
</tr>
<tr>
<td>HI 285</td>
<td>China in Revolution</td>
<td>PO 303</td>
<td>Modern Political Ideologies</td>
</tr>
<tr>
<td>PO 317</td>
<td>African Politics</td>
<td>PO 330</td>
<td>Computer-Simulated Foreign Policy: ICONS</td>
</tr>
<tr>
<td>RS 214</td>
<td>Introduction to Eastern Religions</td>
<td>RS 289</td>
<td>Religion, War, and Peace</td>
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<td></td>
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<td>SO 253</td>
<td>The Global Social System</td>
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<td></td>
<td><strong>Third-World Issues</strong></td>
<td>SO 254</td>
<td>Society and Economic Change</td>
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<tr>
<td>AN 201</td>
<td>World Cultures</td>
<td>SO 354</td>
<td>Global Health and Illness</td>
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<tr>
<td>AN 235</td>
<td>Tribal Peoples and Industrial Societies</td>
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<tr>
<td>AN 240</td>
<td>Urbanism and Urban Development in World Perspective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC 344</td>
<td>Comparative Economic Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EN 340-359</td>
<td>Studies in Fiction: Special Topics</td>
<td></td>
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</tr>
</tbody>
</table>
History
Faculty of Humanistic Studies

History 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, and 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.

Major in History

The major in History requires the completion of 33 credits.

Required Courses

HI 121 United States History to 1865
HI 122 United States History Since 1865
HI 201 Historical Method and Criticism
HI 398 Senior Seminar

Seven history electives, including at least one in each of the following areas: Europe, Latin America, and East Asia

Honors

Academic Affairs

The Honors minor program offers challenging, interdisciplinary courses for the student who has excelled in academic work. See the Special Academic Programs section for more specific information including details on selection for the program.

International Business

Faculty of Management

International business is all business transactions that are carried out across national borders, ranging from export-import trade to licensing, foreign manufacture, joint ventures, wholly owned subsidiaries, and others. The international manager is subject to new macroenvironmental factors, different 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 of organizations and the growing complexity of modern organizations have 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.
Major in International Business

The International Business major requires 51 credits plus 6 credits in related supporting courses, and all other BA 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 103  Survey of Microcomputer Software
- EC 201  Principles of Economics I

Mathematics

*Faculty of Science, Mathematics, and Computer Science*

The Mathematics major provides the student with the basic undergraduate prerequisites for successful advanced studies or employment in areas where his or her skills are in demand.

Sacred Heart University is an institutional member of the Mathematical Association of America, which is concerned with undergraduate mathematics; the American Mathematical Society, of which only some four hundred universities in the country have received such a distinction, and the Society for Industrial and Applied Mathematics.

Major in Mathematics

To obtain a BS degree, the Mathematics major must take, in addition to the requirements for a BA degree in Mathematics, at least two additional chemistry courses with a lab section, chosen with the approval of the chairperson. A foreign language, preferably French, is recommended for the Mathematics major.

The student majoring in Mathematics also is encouraged to take elective courses in Computer Science. A double major in Mathematics and Computer Science or a minor in Computer Science should also be considered.

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

**Required Courses**

- MT 151  Introductory Calculus
- MT 152  Mathematical Analysis I
- MT 251  Mathematical Analysis II
- MT 252  Advanced Multivariable Calculus
- MT 261  Linear Algebra
- MT 262  Abstract Algebra
- MT 291  Mathematical Probability and Statistics I
Sacred Heart University

MT 292 Mathematical Probability and Statistics II
or
MT 267 Geometry
MT 351 Real Analysis
MT 352 Complex Analysis

**Required Supporting Courses**

PY 151 Principles of Physics I
PY 152 Principles of Physics II

**Minor in Mathematics**

The minor in Mathematics requires the completion of 19 credits.

**Required Courses**

MT 151 Introductory Calculus
MT 152 Mathematical Analysis I
MT 251 Mathematical Analysis II
MT 261 Linear Algebra
MT 291 Mathematical Probability and Statistics I

**Media Studies**

*Faculty of Communication Studies*

Media Studies is an innovative 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**

EN 375 Advanced Composition
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

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 I
MS 215 Film Production I
MS 216 Photography Production I
MS/BU 222 Sports Communications
MS 294 Magazine Production
MS 295 Electronic Journalism
MS 298 Public Relations: Practical Applications
MS/EN 311 News Writing and Reporting
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 Scriptwriting
MS 370 Newspaper Publication
MS 395 Media Practicum
MS 396 Internship

Other department-designated and approved courses
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 200 Mass Media: Special Subjects
MS 283 History of Documentary Still Photography
MS 293 Alternative Media
MS 295 Electronic Journalism
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

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 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 genre literature.

Medical Technology

Faculty of Science, Mathematics, and Computer Science

Sacred Heart University offers a traditional “three-and-one” Medical Technology program leading to the Baccalaureate degree in which the student spends the equivalent of three full academic years at the University (101 credits) and one full academic year at an accredited hospital (30 credits). Upon successful completion of all the requirements at the University and the hospital, the student is prepared to take the national examination to become a Certified Medical Technologist.

Medical technology is one of the fastest expanding areas of allied health sciences. Medical technologists are employed in hospitals, industrial and private laboratories, and are responsible for the preparation and analysis of clinical samples. They perform a broad range of procedures in all general areas of the clinical laboratory, make independent and collaborative judgments, and work in association with physicians and pathologists. In addition, they may supervise and/or teach laboratory personnel.

Medical Technology Program Policy

- The student in the clinical year of the Medical Technology program will not pay tuition for that year. An administrative fee (a percentage of that year’s tuition) will be charged.
- Successful completion of the Medical Technology program is contingent upon admission to and satis-
factory completion of the clinical program of studies at an accredited hospital school. Sacred Heart University cannot guarantee admission to a clinical program since each hospital school determines which of its applicants will be admitted.

- Although the granting of the Bachelor's degree in Medical Technology is not contingent upon the successful passing of any examination given for Medical Technology Certification, Sacred Heart University is not responsible for the student's performance on any examination.

- The student must sign a waiver stating that his or her records will be available to the educational coordinator of Sacred Heart University or persons designated by the coordinator.

- Prior to final acceptance by a hospital school, a health certificate shall be completed by the student's personal physician stating that the student is in good physical health.

- In the clinical year, the student must purchase insurance through the University's Student Sickness and Accident Insurance program unless evidence of comparable coverage is provided.

- The student will be provided with professional liability coverage under the University's Student Medical Technology Malpractice Policy.

Major in Medical Technology
The major in Medical Technology requires the completion of 55–56 credits at the University plus 30 credits at the hospital.

Required Courses at the University

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BI 111</td>
<td>Concepts in Biology I</td>
</tr>
<tr>
<td>BI</td>
<td>Concepts in Biology I Laboratory</td>
</tr>
<tr>
<td>BI 131</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BI 132</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BI 220</td>
<td>Genetics</td>
</tr>
<tr>
<td>BI 230</td>
<td>Microbiology</td>
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<tr>
<td>BI 325</td>
<td>Immunology</td>
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<tr>
<td>CH 151</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CH 152</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CH 153</td>
<td>General Chemistry Laboratory I</td>
</tr>
<tr>
<td>CH 154</td>
<td>General Chemistry Laboratory II</td>
</tr>
<tr>
<td>CH 221</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CH 222</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>CH 223</td>
<td>Organic Chemistry Laboratory I</td>
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<tr>
<td>CH 224</td>
<td>Organic Chemistry Laboratory II</td>
</tr>
<tr>
<td>CH 252</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>CH 254</td>
<td>Analytical Chemistry Laboratory</td>
</tr>
<tr>
<td>CH 321</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>CH 323</td>
<td>Biochemistry Laboratory</td>
</tr>
<tr>
<td>ME 154</td>
<td>Introduction to Medical Technology</td>
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<tr>
<td>PY 100</td>
<td>Elements of Physics</td>
</tr>
</tbody>
</table>

Required Courses at the Hospital

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ME 301</td>
<td>Clinical Microbiology</td>
</tr>
<tr>
<td>ME 302</td>
<td>Blood Banking</td>
</tr>
<tr>
<td>ME 310</td>
<td>Hematology</td>
</tr>
<tr>
<td>ME 315</td>
<td>Clinical Microscopy</td>
</tr>
<tr>
<td>ME 325</td>
<td>Clinical Chemistry</td>
</tr>
<tr>
<td>ME 330</td>
<td>Immunology and Serology</td>
</tr>
<tr>
<td>ME 340</td>
<td>Special Topics in Medical Technology</td>
</tr>
</tbody>
</table>
Modern Foreign Languages

Faculty of Communication Studies

The Modern Foreign Languages program is oriented toward developing students' linguistic abilities, as well as providing a broad knowledge of foreign cultures and literatures.

Communicative competence is stressed in all skill areas: reading, writing, listening and speaking. Language laboratory practice and multi-media 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 the College Consortium for International Studies and the Institute for European Studies/Institute for Asian Studies, both of which offer study abroad throughout the world.

In Spanish, majors choose from a variety of courses in language, literature, and civilization. Minor programs are offered in French, Italian, and Spanish. Additional courses are offered in German, Japanese, and Polish.

Major in Spanish

The major in Spanish requires the completion of 33 credits.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>SP 101</td>
<td>Advanced Spanish Composition and Grammar I</td>
</tr>
<tr>
<td>SP 102</td>
<td>Advanced Spanish Composition and Grammar II</td>
</tr>
<tr>
<td>SP 251</td>
<td>Spanish Literature I</td>
</tr>
<tr>
<td>SP 252</td>
<td>Spanish Literature II</td>
</tr>
<tr>
<td>SP 280</td>
<td>Hispanic Civilization and Culture: Spain</td>
</tr>
<tr>
<td>SP 281</td>
<td>Hispanic Civilization and Culture: Spanish America</td>
</tr>
</tbody>
</table>

One course in Spanish-American Literature

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

Minor in French

The minor in French requires the completion of 18 credits from the intermediate level (FR 051-052) and beyond. Students should select at least two courses (6 credits) at the advanced level (FR 215 or above).

Required Courses for Minor

A selection of 12 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 study, for example, he or she selects additional courses at the 215 level or above).

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR 051</td>
<td>Intermediate French I*</td>
</tr>
<tr>
<td>FR 052</td>
<td>Intermediate French II*</td>
</tr>
<tr>
<td>FR 101</td>
<td>French Composition and Grammar I</td>
</tr>
<tr>
<td>FR 102</td>
<td>French Composition and Grammar II</td>
</tr>
<tr>
<td>FR 111</td>
<td>Conversational French I</td>
</tr>
<tr>
<td>FR 112</td>
<td>Conversational French II</td>
</tr>
</tbody>
</table>
### Additional Required Courses

At least 6 credits from these courses or other advanced courses approved by the Modern Foreign Language faculty.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR 215</td>
<td>French Readings and Discussion I</td>
</tr>
<tr>
<td>FR 216</td>
<td>French Readings and Discussion II</td>
</tr>
<tr>
<td>FR 251</td>
<td>Introduction to Literature in French I</td>
</tr>
<tr>
<td>FR 252</td>
<td>Introduction to Literature in French II</td>
</tr>
<tr>
<td>FR 280</td>
<td>French Civilization and Culture</td>
</tr>
<tr>
<td>FR 281</td>
<td>Francophone Civilization and Culture</td>
</tr>
<tr>
<td>FR 399</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

### Minor in Italian

The minor in Italian requires the completion of 18 credits from the intermediate level (IT 051–052) and beyond. Students should select at least two courses (6 credits) at the advanced level (IT 215 or above).

### Required Courses for Minor

A selection of 12 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 study, for example, he or she selects additional courses at the 215 level or above).

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 051</td>
<td>Intermediate Italian I*</td>
</tr>
<tr>
<td>IT 052</td>
<td>Intermediate Italian II*</td>
</tr>
<tr>
<td>IT 101</td>
<td>Italian Composition and Grammar I</td>
</tr>
<tr>
<td>IT 102</td>
<td>Italian Composition and Grammar II</td>
</tr>
<tr>
<td>IT 111</td>
<td>Conversational Italian I</td>
</tr>
<tr>
<td>IT 112</td>
<td>Conversational Italian II</td>
</tr>
</tbody>
</table>

### 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.

### Music

**Faculty of Humanistic Studies**

Today's music is radically different from that of all previous ages. This change is the work of scientists and technicians, not composers and performers. Electronic media have provided people around the world access to all types of music — from the songs of modern troubadours to the accents of distant drummers speaking from far-off lands and ages.
In a sense, all music, however close or remote its origins in time and space, has become our music. We seek to engage it, to open our minds to its language and emotion, to range through its vast, polyglot treasures, and thus to become more fully one with the humanity which continually amplifies our cultural heritage.

**Minor in Music**

The minor in Music requires the completion of 18 credits.

**Required Courses for Minor**

MU 111 Music in Western Civilization
MU 112 Music in America
MU 121 Musicianship I
MU 122 Musicianship II

One course in music history or literature and three credits in applied music.

Applied music credits fulfill elective (not core) requirements. Any applied music course may be repeated for credit, but no more than 6 credits may be applied toward graduation. A student may take no more than 2 applied music credits per semester in Private Lessons (MU 131-132).

**Nursing**

**Faculty of Science, Mathematics, and Computer Science**

The Nursing program 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.

**Unified St. Vincent's/Sacred Heart University Program**

Designed for full-time students who wish to earn a Bachelor's degree in Nursing, this program offers an up-to-date, timely, and cost-effective education. Students apply to both programs simultaneously through a well-defined process. Individual guidance is provided throughout the entire program of study.

**Major in Nursing**

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

**First Professional Degree Program**

The fully accredited BS in Nursing program provides a first professional degree in nursing for entry into professional practice. At the conclusion of the four years of study, students are eligible to take the Registered Nurse licensure examination. Applicants 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 apply for admission to the major which begins Sophomore year. At the time of admission, students must have a minimum GPA of 2.5. Up to 30 students are accepted yearly into the first professional degree program.

Admission is competitive and based on scholarly achievement over 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
Academic Requirements

Sacred Heart University

education courses and maintain an overall GPA of 2.5 with no grades lower than C.

Prerequisites for Application to the BS in Nursing Program
BL 131 Human Anatomy and Physiology I
BL 132 Human Anatomy and Physiology II
CH 090 Principles of Chemistry
CH 095 Principles of Organic and Biochemistry
MT 050 Modern College Mathematics I
PS 101 General Psychology — Scientific Aspects
PS 252 Child Development Psychology
SO 101 Sociology: An Introduction

Additional Required Courses for the BS in Nursing
BI 161 Introduction to Microbiology
MT 092 Statistics for Decision Making
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 Nursing
NU 340 Nursing Practice Internship
NU 345 Psychiatric—Mental Health Nursing
NU 360 Leadership and Management
NU 380 Family and Community Health
NU 390 Senior Nursing Practicum
RS 257 Contemporary Moral Issues

BSN Completion Program
The fully accredited Registered Nurse to BS in Nursing Program provides registered nurses who have graduated from accredited diploma or Associate degree programs educational mobility in a program designed solely for the nurse learner.

To receive a Baccalaureate degree in Nursing, the RN must complete 125 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 credits are awarded through an individualized process of validation of prior learning. 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
BL 131 Human Anatomy and Physiology I
BL 132 Human Anatomy and Physiology II
BL 161 Introduction to Microbiology
CH 090 Principles of Chemistry
CH 095 Principles of Organic and Biochemistry
EN 011 Introduction to Rhetoric
PS 101 General Psychology — Scientific Aspects
PS 252 Child Development Psychology
MT 050 Modern College Mathematics I
SO 101 Sociology: An Introduction
Required Courses in the Nursing Major

NU 200 Foundations of Professional Nursing
NU 260 Adult Nursing I
NU 280 Nursing Research
NU 320 Advanced Nursing Process I
NU 350 Advanced Nursing Process II
NU 360 Leadership and Management
NU 380 Family and Community Health

One 3-credit elective from the following
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 275 Working with Groups
NU 299 Special Topics in Nursing

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

Philosophy

Faculty of Humanistic Studies

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 the 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.

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 The Art of Making Sense: Practical Logic
PH 231 Philosophy of Knowledge
PH 251 Ethics

Six philosophy electives

Minor in Philosophy

The minor in Philosophy requires the completion of 18 credits.

Required Courses

PH 101 Introduction to the Problems of Philosophy

Five philosophy electives from 200- or 300-level courses.

Political Science

Faculty of Financial Studies, Government, and Law

The Political Science program awakens an understanding and appreciation for
government and politics in the broadest sense. Courses are offered in four major areas: American politics, comparative politics, international politics, and political philosophy and theory. In addition to regular course offerings, speakers, conferences, and field trips offer additional, valid avenues for learning. Student internships in the offices of elected officials, public administrators, and others also are encouraged.

Students who major or minor in Political Science receive sound preparation for future careers in law, elective or administrative public service, teaching, international affairs, business management, and journalism.

**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 305 Political Profiles
- PO 311 Comparative Western European Politics
- PO 312 Russia: Reform, Reaction, or Revolution
- PO 313 Central and Eastern European Politics
- PO 314 Middle East Politics
- PO 315 Latin American Politics
- PO 317 African 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

**Minor in Political Science**

The minor in Political Science requires the completion of 18 credits.

**Required Courses**

- PO 121 Introduction to American Government
- PO 122 Introduction to International Relations
- Four political science electives

**Psychology**

**Faculty of Social and Behavioral Sciences**

The Psychology program provides the student 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 in their Senior year.

**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 260-269 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 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.

Religious Studies

Faculty of Humanistic 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 the 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.

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

Nine religious studies electives selected in consultation with a department advisor.

Minor in Religious Studies

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

Required Courses for Minor

RS 101 Introduction to the Study of Religion

Five religious studies electives selected in consultation with a department advisor.
Sacred Heart University

Social Work

**Faculty of Social and Behavioral Sciences**

Social work is both a profession and a method of helping. As a profession, social work deals with individuals, families, groups, organizations, and the community in order to help maximize their well-being through the identification of personal, interpersonal, and environmental problems and to bring about the necessary change that will resolve, minimize, or prevent these problems. As a method of helping, social work is the purposeful, systematic, and disciplined use of the professional self through the application of social work knowledge, skills, and values to facilitate development and change in individuals or larger systems.

The Baccalaureate Social Work program provides the student with both analytical and conceptual skills as well as interactional skills which allow him or her to implement planned change and to intervene in problem situations.

The major in Social Work prepares the student for responsible and competent professional social work generalist practice at the beginning level. The Baccalaureate degree program is accredited by the Council on Social Work Education.

**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, BI 030, PO 121, PS 101, and SO 254 as part of the elective core, since these are prerequisites for certain social work courses.

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### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SO 101</td>
<td>Sociology: An Introduction</td>
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<tr>
<td>SO 215</td>
<td>Social Psychology: Macroprocesses</td>
</tr>
<tr>
<td>SO 239</td>
<td>American Minorities</td>
</tr>
<tr>
<td>SW 101</td>
<td>Introduction to Social Work</td>
</tr>
<tr>
<td>SW 265</td>
<td>Social Welfare as a Social Institution</td>
</tr>
<tr>
<td>SW 266</td>
<td>Social Welfare Policy and Services</td>
</tr>
<tr>
<td>SW 267</td>
<td>Human Behavior and the Social Environment I</td>
</tr>
<tr>
<td>SW 268</td>
<td>Human Behavior and the Social Environment II</td>
</tr>
<tr>
<td>SW 275</td>
<td>Social Work Practice I</td>
</tr>
<tr>
<td>SW 278</td>
<td>Junior Field Practicum</td>
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<tr>
<td>SW 279</td>
<td>Junior Field Practicum Seminar</td>
</tr>
<tr>
<td>SW 375</td>
<td>Social Work Practice II</td>
</tr>
<tr>
<td>SW 378</td>
<td>Senior Field Practicum I</td>
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<tr>
<td>SW 379</td>
<td>Senior Field Practicum Seminar I</td>
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<tr>
<td>SW 380</td>
<td>Senior Field Practicum II</td>
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<tr>
<td>SW 381</td>
<td>Senior Field Practicum Seminar II</td>
</tr>
<tr>
<td>SW 390</td>
<td>Research Methods for Social Work</td>
</tr>
</tbody>
</table>

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### Sociology

**Faculty of Social and Behavioral Sciences**

The Sociology program offers a course of study through which the student acquires an understanding of the workings of social life and modern society. This is a crucial component of a liberal arts education and it opens the doors to a variety of rewarding careers for graduates.

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.

**Major in Sociology**

The major in Sociology requires the completion of 36 credits.

The student interested in a concentration in Social Research or in preparation for graduate work in Sociology should consult with his or her advisor before selecting courses.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN 102</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>SO 101</td>
<td>Sociology: An Introduction</td>
</tr>
<tr>
<td>SO 200</td>
<td>Social Issues and Social Change</td>
</tr>
<tr>
<td>SO 370</td>
<td>Sociological Theories</td>
</tr>
<tr>
<td>SO 371</td>
<td>Contemporary Social Thought</td>
</tr>
<tr>
<td>SO 380</td>
<td>Methods of Social Research I</td>
</tr>
<tr>
<td>SO 381</td>
<td>Methods of Social Research II</td>
</tr>
<tr>
<td>SO 398</td>
<td>Senior Seminar in Sociology</td>
</tr>
</tbody>
</table>

**Elective Course Requirements**

Four sociology electives are required with at least one from each of the following levels of analyses: micro-sociology, micro/macrosociology, and macrosociology.

**Microsociological Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO 213</td>
<td>Marriage and the Family</td>
</tr>
<tr>
<td>SO 214</td>
<td>Health and Lifestyle</td>
</tr>
<tr>
<td>SO 215</td>
<td>Social Psychology: Macroprocesses</td>
</tr>
<tr>
<td>SO 319</td>
<td>Special Topics in Microsociology</td>
</tr>
</tbody>
</table>

**Micro/Macrosociological Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO 232</td>
<td>Cities in Crisis</td>
</tr>
<tr>
<td>SO 233</td>
<td>Aging in America</td>
</tr>
<tr>
<td>SO 234</td>
<td>Sociology of Health and Health Care</td>
</tr>
<tr>
<td>SO 235</td>
<td>Criminology</td>
</tr>
<tr>
<td>SO 236</td>
<td>Juvenile Delinquency</td>
</tr>
<tr>
<td>SO 237</td>
<td>Deviance and Social Control</td>
</tr>
<tr>
<td>SO 334</td>
<td>Men, Women, and Society</td>
</tr>
<tr>
<td>SO 239</td>
<td>American Minorities</td>
</tr>
<tr>
<td>SO 332</td>
<td>Statistics for the Social Sciences</td>
</tr>
<tr>
<td>SO 333</td>
<td>Opinion Polling</td>
</tr>
</tbody>
</table>

**Macrosociological Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO 252</td>
<td>Social Class and Inequality</td>
</tr>
<tr>
<td>SO 253</td>
<td>The Global Social System</td>
</tr>
<tr>
<td>SO 254</td>
<td>Society and Economic Change</td>
</tr>
<tr>
<td>SO 256</td>
<td>Political Sociology</td>
</tr>
<tr>
<td>SO 258</td>
<td>Society and the Environment</td>
</tr>
<tr>
<td>SO 354</td>
<td>Global Health and Illness</td>
</tr>
<tr>
<td>SO 355</td>
<td>Changing Human Populations</td>
</tr>
<tr>
<td>SO 359</td>
<td>Special Topics in Macrosociology</td>
</tr>
</tbody>
</table>

**Additional Requirements**

Three courses (9 credits) from the related fields of Anthropology (must be 200-level courses), Economics, Psychology, 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 18 credits.
Required Courses for Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN 102</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>SO 101</td>
<td>Sociology: An Introduction</td>
</tr>
<tr>
<td>SO 200</td>
<td>Social Issues and Social Change</td>
</tr>
</tbody>
</table>

Three sociology electives

Women's Studies

Faculty of Social and Behavioral Studies

Students in all majors can obtain a minor in Women's Studies. Students pursuing the minor should complete the required Introduction to Women's Studies course (3 credits) at the beginning of their program, four courses from the cross-listed Women's Studies course (12 credits), and finally the Women's Studies Seminar (3 credits) at the end of their program. No more than 6 credits may be taken in any particular discipline.

In addition to the elective course offerings listed below, other interdisciplinary/special topics courses dealing with women's issues may fulfill minor requirements with the approval of the Women's Studies director and faculty.

Minor in Women's Studies

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WS 101</td>
<td>Introduction to Women's Studies</td>
</tr>
<tr>
<td>WS 398</td>
<td>Women's Studies Seminar</td>
</tr>
</tbody>
</table>

Elective Courses

12 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 211/</td>
<td>Women and the Law</td>
</tr>
<tr>
<td>LW 239</td>
<td></td>
</tr>
<tr>
<td>CJ 224</td>
<td>Women and the Criminal Justice System</td>
</tr>
<tr>
<td>EN 345</td>
<td>Women's Autobiography</td>
</tr>
<tr>
<td>EN 348</td>
<td>Special Topics: Women in Literature</td>
</tr>
<tr>
<td>MS 381</td>
<td>Images of Women in Film</td>
</tr>
<tr>
<td>NU 220</td>
<td>Women's Health</td>
</tr>
<tr>
<td>PS 171</td>
<td>Psychology of Women</td>
</tr>
<tr>
<td>RS 219</td>
<td>Women in World Religions</td>
</tr>
<tr>
<td>RS 273</td>
<td>Women Writers and the Religious Quest</td>
</tr>
<tr>
<td>SO 213</td>
<td>Marriage and the Family</td>
</tr>
<tr>
<td>SO 238</td>
<td>Men, Women, and Society</td>
</tr>
</tbody>
</table>
Associate 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 (AA) in General Studies degree, with specialties in 20 different fields, and career-based Associate of Science (AS) 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

The candidate for the AA degree in General Studies must complete 60 credits, which include the AA core curriculum, an emphasis of not less than 15 credit hours, and elective courses chosen in consultation with the student's advisor. A minimum of 30 of these credits must be taken at Sacred Heart University, and a minimum GPA of 2.0 is required. The AA degree in General Studies is offered with emphases in:

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

Core Curriculum

The core curriculum for the AA degree provides the student with the opportunity to experience other disciplines, obtain a background for further study, and gain the knowledge to be a well-rounded and educated human being. In addition to completing 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 Faculty of Communication 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/Music
- Foreign Language
- History
- Literature
- Media Studies

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
## Sacred Heart University

### Academic Requirements 109

**Area IV**

Six credits from the following disciplines:
- Philosophy
- Religious Studies

**Emphasis**

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 (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

**Art (15 credits)**

- AR 101 Art in the Western World

Four art electives

**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.

**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

**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 Laboratory
- MT 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

**Early Childhood/Psychology (30 credits)**

- ED 101 Educational Psychology
- ED 205 Education of Special Needs Students
- ED 206 Models of Early Childhood Programs
- ED 226 Methods of Teaching Pre-Academic Readiness
  and
- ED 249 Curriculum in Early Childhood
  or
- ED 250 Creative Play, Movement, and Art for Early Childhood

**EC 101** Introduction to Economics
- or
- EC 201 Principles of Economics I
- or
- EC 202 Principles of Economics II

One business elective
110 Academic Requirements

Sacred Heart University

PS 101* General Psychology: Scientific Aspects
PS 102 General Psychology: Psychodynamics
PS 241 Psychology of Personality
PS 252 Child Development Psychology (meets liberal arts requirement)
PS 311 Abnormal Psychology

*Applies to both Area II of the core and Psychology concentration.

Other psychology and early childhood education courses may be taken in lieu of the required courses, subject to advisement and approval by the chairperson of the Faculty of Social and Behavioral Sciences.

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

Three economic electives

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

French (15–17 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 Composition and Grammar I
FR 102 French Composition and Grammar II

and/or
FR 111 Conversational French I
FR 112 Conversational French II

and/or
FR 215 French Readings and Discussion I
FR 216 French Readings and Discussion II

*Waived for students with two or more years of high school French.

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.

Italian (15–17 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 Composition and Grammar I
IT 102 Italian Composition and Grammar II

and/or
IT 111 Conversational Italian I
IT 112 Conversational Italian II

and/or
IT 215 Italian Readings and Discussion I
IT 216 Italian Readings and Discussion II

*Waived for students with two or more years of high school Italian.

Mathematics (16 credits)
MT 100 Precalculus
MT 151 Introductory Calculus
MT 152 Mathematical Analysis I
MT 261 Linear Algebra

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
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU 111</td>
<td>Music in Western Civilization</td>
<td>1</td>
</tr>
<tr>
<td>MU 112</td>
<td>Music in America</td>
<td>1</td>
</tr>
<tr>
<td>MU 121</td>
<td>Musicianship I</td>
<td>1</td>
</tr>
<tr>
<td>MU 122</td>
<td>Musicianship II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Three credits in applied music</td>
<td></td>
</tr>
<tr>
<td>PH 101</td>
<td>Introduction to the Problems of Philosophy</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Four philosophy electives</td>
<td></td>
</tr>
<tr>
<td>PO 121</td>
<td>Introduction to American Government</td>
<td>1</td>
</tr>
<tr>
<td>PO 122</td>
<td>Introduction to International Relations</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Three political science electives</td>
<td></td>
</tr>
<tr>
<td>PS 101</td>
<td>General Psychology — Scientific Aspects</td>
<td>1</td>
</tr>
<tr>
<td>PS 102</td>
<td>General Psychology — Psychodynamics</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Three psychology electives (only one experiential course may be taken)</td>
<td></td>
</tr>
<tr>
<td>RS 101</td>
<td>Introduction to the Study of Religion</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Four religious studies electives</td>
<td></td>
</tr>
<tr>
<td>AN 102</td>
<td>Cultural Anthropology</td>
<td>1</td>
</tr>
<tr>
<td>SO 101</td>
<td>Sociology: An Introduction</td>
<td>1</td>
</tr>
<tr>
<td>SO 200</td>
<td>Social Issues and Social Change</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Two sociology electives. No more than one from each group of microsociology, micro/macrosociology, and macrosociology courses.</td>
<td></td>
</tr>
<tr>
<td>SP 011*</td>
<td>First Year Spanish I</td>
<td>1</td>
</tr>
<tr>
<td>SP 012*</td>
<td>First Year Spanish II</td>
<td>1</td>
</tr>
<tr>
<td>SP 051</td>
<td>Intermediate Spanish I</td>
<td>1</td>
</tr>
<tr>
<td>SP 052</td>
<td>Intermediate Spanish II</td>
<td>1</td>
</tr>
<tr>
<td>SP 101</td>
<td>Advanced Spanish Composition and Grammar I</td>
<td>1</td>
</tr>
<tr>
<td>SP 102</td>
<td>Advanced Spanish Composition and Grammar II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>and/or Spanish electives</td>
<td></td>
</tr>
<tr>
<td>SP 111</td>
<td>Conversation: Topics for Daily Living I</td>
<td>1</td>
</tr>
<tr>
<td>SP 112</td>
<td>Conversation: Topics for Daily Living II</td>
<td>1</td>
</tr>
</tbody>
</table>

**Associate of Science Degree**

Sacred Heart University offers the following two-year Associate in Science degrees in these areas:

- Associate of Science in Banking
- Associate of Science in Computer Science
  - Computer Science emphasis
  - Information Technology emphasis
- Associate of Science in Legal Assistant Science
- Associate of Science in Respiratory Care

**Banking Program**

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)

EC 202  Principles of Economics II

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 3-credit, bank-oriented courses must be taken through the AIB.

**Computer Science Program**

The Associate of Science degree in Computer Science offers two areas of emphasis: Computer Science and Information Science. 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 in business who want a formal education in order to advance their careers.

**Required Courses for Both Emphases**

CS 011  Introduction to Computer Science

CS 050  Introduction to Structured Programming

CS 051  Data Structures

CS 130  Computer Systems

EN 011  Introduction to Rhetoric

EN 012  Rhetoric: The Research Paper

Two computer science electives

**Additional Required Courses for Computer Science Emphasis**

CS 120  FORTRAN Programming

CS 203  Data Base Design

CS 210  Software Engineering

CS 220  The Analysis of Algorithms I

CS 240  Introduction to Systems Programming

MT 100  Precalculus

MT 151  Introductory Calculus

MT 152  Mathematical Analysis I

Three liberal arts electives

**Additional Required Courses for Information Technology Emphasis**

CS 155  COBOL Programming

CS 210  Software Engineering

CS 255  Advanced COBOL Programming

CS 290  Systems Analysis and Design
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 the 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 (see Business Administration major).

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 101</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>AC 102</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>CA 021</td>
<td>Effective Communication</td>
</tr>
<tr>
<td>CS 009</td>
<td>Introduction to Data Processing</td>
</tr>
<tr>
<td>EN 011</td>
<td>Introduction to Rhetoric</td>
</tr>
<tr>
<td>EN 012</td>
<td>Rhetoric: The Research Paper</td>
</tr>
<tr>
<td>LW 101</td>
<td>Criminal Law and Torts</td>
</tr>
<tr>
<td>LW 102</td>
<td>Contracts and Uniform Commercial Code</td>
</tr>
<tr>
<td>LW 121</td>
<td>Legal Research I</td>
</tr>
<tr>
<td>LW 122</td>
<td>Legal Research II/ Writing</td>
</tr>
<tr>
<td>LW 161</td>
<td>Legal Office Procedures</td>
</tr>
<tr>
<td>LW 201</td>
<td>Business Organization and Domestic Relations</td>
</tr>
<tr>
<td>LW 202</td>
<td>Property and Conveyancing</td>
</tr>
<tr>
<td>LW 203</td>
<td>Estates, Probate, and Taxation</td>
</tr>
<tr>
<td>LW 238</td>
<td>Litigation and Civil Procedures</td>
</tr>
<tr>
<td>PS 101</td>
<td>General Psychology — Scientific Aspects</td>
</tr>
</tbody>
</table>

Respiratory Care Program

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 in age from newborn to the elderly.

The Respiratory Care program begins in the fall semester each year and continues for six semesters including the summer sessions 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, the student starts clinical training at St. Vincent's Medical Center, the main clinical affiliate for the program. All hospital training is supervised by trained clinical preceptors. Upon graduation from the program, the student is eligible to take the Entry
Level Examination offered by the National Board for Respiratory Care.

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

Respiratory Care Program Policy

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 student's performance on such examinations.

3. The student must sign a waiver stating that his or her 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. The student accepted into the program must present a certificate of health after a physical examination given by his or her personal physician including proof of vaccination. Prior to clinical training, the student 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, the student may be required to undergo a physical examination for reasons of patient safety.

5. While in the clinical phase, the student is expected to adhere to the rules and regulations of the primary and secondary clinical affiliates.

6. All respiratory care courses must be taken in the sequence offered in the program. The student must maintain a GPA of 2.0 in all academic courses as well as all clinical courses before continuing into the next semester.

7. To receive an Associate of Science degree in Respiratory Care, the student must maintain an overall GPA of at least 2.0.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 131*</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>BI 132*</td>
<td>Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>BI 161</td>
<td>Introduction to Microbiology</td>
</tr>
<tr>
<td>CH 090</td>
<td>Principles of Chemistry</td>
</tr>
<tr>
<td>CH 095</td>
<td>Principles of Organic and Biochemistry</td>
</tr>
<tr>
<td>EN 011</td>
<td>Introduction to Rhetoric</td>
</tr>
<tr>
<td>EN 012</td>
<td>Rhetoric: The Research Paper</td>
</tr>
<tr>
<td>MT 050*</td>
<td>Modern College Mathematics I</td>
</tr>
<tr>
<td>MT 092</td>
<td>Statistics for Decision Making</td>
</tr>
<tr>
<td>PS 101</td>
<td>General Psychology — Scientific Aspects</td>
</tr>
<tr>
<td>PY 100</td>
<td>Elements of Physics</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>SO 101</td>
<td>Sociology: An Introduction</td>
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<tr>
<td>RC 110</td>
<td>Respiratory Care I</td>
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<tr>
<td>RC 115</td>
<td>Clinical Practice I</td>
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<td>RC 120</td>
<td>Respiratory Care II</td>
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<td>RC 150</td>
<td>Respiratory Care III</td>
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<td>RC 160</td>
<td>Clinical Practice II</td>
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<td>RC 170</td>
<td>Respiratory Care Diagnostics</td>
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<td>RC 210</td>
<td>Respiratory Care Pharmacology</td>
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<td>RC 220</td>
<td>Respiratory Care Pathophysiology</td>
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<td>RC 230</td>
<td>Clinical Practice III</td>
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<td>RC 240</td>
<td>Respiratory Critical Care</td>
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<td>RC 250</td>
<td>Advanced Respiratory Care Diagnostics</td>
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<tr>
<td>RC 260</td>
<td>Clinical Practice IV</td>
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<tr>
<td>RC 270</td>
<td>Newborn/Pediatric Respiratory Care</td>
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<tr>
<td>RC 280</td>
<td>Pulmonary Rehabilitation and Home Care</td>
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</tbody>
</table>

*Prerequisite courses for RC 110

## 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

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BU 103</td>
<td>Business: Its Nature and Environment</td>
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<tr>
<td>BU 201</td>
<td>Organization Management</td>
</tr>
<tr>
<td>BU/CA 221</td>
<td>Business Communications</td>
</tr>
<tr>
<td>CS 103</td>
<td>Survey of Microcomputer Software</td>
</tr>
<tr>
<td>CS 213</td>
<td>Advanced Microcomputer Software</td>
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</tbody>
</table>

Work experience may be substituted for one of the five courses listed at the discretion of the appropriate faculty chairperson.

## 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 regular scientific option or the information technology option, provided that the prerequisites are met.
Required Courses for Both Options

- CS 011 Introduction to Computer Science
- CS 050 Introduction to Structured Programming
- CS 051 Data Structures

Additional Required Courses for Information Technology Option

- CS 155 COBOL Programming
- CS 203 Data Base Design
- CS 210 Software Engineering
- CS 255 Advanced COBOL Programming
- CS 290 Systems Analysis and Design
- CS 303 Advanced Data Base

Additional Required Courses for Scientific Option

- CS 120 FORTRAN Programming
- CS 130 Computer Systems
- CS 211 C: Advanced Programming
- CS 220 Analysis of Algorithms I
- CS 240 Introduction to Systems Programming
- CS 323 Theory of Computation
- MT 151 Introductory Calculus

Certificate Program in English as a Foreign Language

To be eligible for the English as a Foreign Language certificate program the student must be a nonnative speaker of English. The program is designed to assist the nonnative speaker in developing fluency in oral and written English. Upon completion of the required courses, a certificate is awarded that represents a significant accomplishment and may be of great value in the social and work setting.

- CA 020 Introduction to Effective Communication
- ES 011 English as a Foreign Language I
- ES 012 English as a Foreign Language II
- OR
- ES 051 English as a Foreign Language III

An examination will determine proper course placement.

Certificate Program in Financial Management

Individuals wishing to pursue careers in finance or change career paths and move into financial positions will 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 can be earned by taking a series of five courses in financial management and related topics and earning a C or better in each course. The student who has successfully completed two basic accounting courses, such as AC 101 and AC 102, or their equivalent, is 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
Certificate Program in International Business

This certificate program is designed to provide individuals with intensive training in the fundamentals of international business. Interested individuals who work in the international realm of business or who wish to prepare for positions in international business, as well as experienced individuals wishing to make career changes, may find this certificate extremely beneficial. Credits earned in this program can be applied to an Associate or Baccalaureate degree. The curriculum consists of five 3-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
- 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 3-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 266 Consumer Motivation
- MK/LW 296 Marketing/Consumer Law
- MK 299 Special Topics in Marketing
- MK 361 Marketing Management
- MK 362 Marketing Research

Certificate Program in Supervision

This unique certificate program is designed for individuals who supervise the operation of a department, unit or section, or for those intending to hold supervisory positions.

This program will enhance or develop the supervisory skills needed to effectively and efficiently operate in business. Whether the student holds this
type of position now or may someday be promoted to this capacity, he or she will develop the ability to comfortably interact with subordinates and supervisors and effectively perform supervisory functions.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>Business Communications</td>
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<td>CA 131</td>
<td>Interpersonal Communication</td>
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<td>HR 207</td>
<td>Management of Human Resources</td>
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<tr>
<td>HR/LW 236</td>
<td>Employee/Employer Law</td>
</tr>
</tbody>
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COURSE DESCRIPTIONS
Accounting (AC)

AC 101 Principles of Accounting I 3 CH
Required introductory course for all Accounting, Business Administration, Economic, and Finance majors. Covers financial accounting from transactions analysis through accounting for cash, receivables, payables, inventory, and plant and equipment. Emphasis on underlying accounting principles and manner in which accounting information is processed and utilized in making business, economic, and other decisions. Prerequisite: Must have completed 27 credits, have a GPA of at least 2.0, have completed MT 080 with a C or better, or permission of the department. Freshmen may receive departmental permission if they completed one year of high school accounting with at least a grade of B and at least a score of 450 on the Math SAT.

AC 102 Principles of Accounting II 3 CH
Continuation of the study of financial accounting with emphasis on the financial statements of corporate enterprises. Includes an introduction to managerial accounting and development of relevant accounting information useful in cost control, pricing, and other business decisions. Prerequisite: AC 101.

†Core Course

AC 201–202 Intermediate Accounting I, II 3 CH Each
Further development of accounting concepts, placing more emphasis on the theoretical aspects involved. While intended for the Accounting major, this is also a most useful course for Business Administration majors. Note: Credit for AC 201 can be gained without taking AC 202. Prerequisite: AC 102.

AC 203 Intermediate Accounting III 3 CH
Covers specialized topics in accounting, including leases, pensions, and accounting for income taxes. Emphasis on the most recent pronouncements of the Financial Accounting Standards Board. Prerequisite: AC 202.

AC 299 Special Topics in Accounting 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

AC 301 Advanced Accounting I 3 CH
Examines higher level accounting issues involved with corporate expansions and business combinations. Extensive coverage of consolidations is emphasized, as well as the use of the computer in addressing this process. Prerequisites: AC 313 and AC 314.
AC 302 Advanced Accounting II 3 CH
Additional sophisticated accounting topics and issues are explored, including: multinational accounting (with emphasis on translation and remeasurement aspects), not-for-profit, and partnership accounting. Computer applications are integrated with course materials wherever possible. Prerequisite: AC 301.

AC 313 Cost Accounting 3 CH
Covers methods of accounting for and reporting the costs of materials, labor, and overhead in job and process costs systems. Intensive work in joint and by-product costing as well as on standard costs and variance analysis. Prerequisite: AC 102.

AC 314 Managerial Accounting 3 CH
Explores analysis of market costs and cost volume-profit situations. Also examines variable costing and methods of reporting, use of cost information in pricing decisions, capital expenditure analysis, budgeting and cash management, transfer-pricing, and related topics. Prerequisite: AC 313.

AC 321 Auditing I 3 CH
A study of the principles of audit practices and procedures used by independent public accountants in examining accounting records and statements. Emphasis on "generally accepted auditing standards and procedures," study and evaluation of internal control. Prerequisite: AC 202.

AC 322 Auditing II 3 CH
A continuation of AC 321. Emphasis on completing the audit engagement topics. Includes preparation of various audit reports, other reports the CPA may issue, other services offered by CPAs, and the CPA's legal liability as well as professional responsibilities. Prerequisite: AC 321.

AC 331 Accounting Information Systems 3 CH
Analyzes the components of accounting systems in terms of the information needs of management. Emphasis on a systems approach, (i.e., highlighting how the parts of a system work together). Computer use is included to demonstrate the concepts taught in the course. Prerequisites: AC 302, AC 314, CS 009. Senior standing or permission of the instructor.

AC 383 Federal Taxes I 3 CH
An introduction to federal taxation. Topics include history of the federal income tax, the manner in which a tax bill becomes law, methods and sources of tax research and the importance of tax planning. Emphasis on the individual taxpayer and the determination of gross income, adjusted gross income, taxable income, filing status and other 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 CH
A continuation of the study of federal taxation. Topics include the federal income taxation aspects of partnerships, corporations, estates and trusts, and a survey of estate and gift taxes. Prerequisite: AC 383.
Anthropology (AN)

**AN 101 Physical Anthropology**  
3 CH  
Focuses on the nature and interpretation of the fossil and archaeological record for human biological and cultural evolution. Other topics include biological variability, adaptability, human variation, and man’s adaption to his environment.

**AN 102 Cultural Anthropology**  
3 CH  
An introduction to the field of cultural anthropology. The course provides an understanding of the diverse nature of human society and culture and an appreciation of 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 CH  
Offers an opportunity to examine in-depth a cross section of human societies, including hunter-gatherer, horticultural, peasant, pastoral, and industrial societies. The course employs ethnographic texts and ethnographic and documentary films to explore the themes of cultural diversity, cultural contact, and the problems of understanding “the other.” Other cultures are studied to examine more critically and self-consciously the student’s own cultural background.

**AN 205 North American Indians**  
3 CH  
An introduction to North American Indian societies, culture, and history, this course is intended to address the narrow and ahistoric stereotypes of the popular imagination and media. Topics include the cultural development and diversity of aboriginal North America; the nature of and variations in European contact; the impact of European contact on Native American societies and culture; and contemporary struggles of North American Indians to reassert their rights and the value of their ethnic heritages. Prerequisite: SO 101 or AN 102 or permission of the instructor.

**AN 235 Tribal Peoples and Industrial Studies**  
3 CH  
Examines the interaction between industrial nations and tribal cultures in the modern world. Includes an analysis of the policies and motives underlying this transaction. Considers modernization and global economic development in relation to tribal cultures.

**AN 240 Urbanism and Urban Development in World Perspective**  
3 CH  
This course focuses on the origins and growth of cities, urban society, and culture in the developed and developing areas of the world. Central concerns include the process of rural-urban migration, economic development and culture change, and the issues of ethnicity, racism, class, and gender as they relate to the urban setting.

**AN 280 Native American Literature**  
3 CH  
Native American literature is used to develop an understanding of the history, society, and culture of the Native Americans.

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†Core Course
AN 299 Special Topics in Anthropology 3 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

Art (AR)

AR 090 Foundation Portfolio 1 CH
Required for Art majors upon completion of foundation courses: AR 110, AR 111, AR 120, and AR 220. The course is rostered in the fourth semester and must be taken prior to enrollment in 300-level studio courses. Scheduled meeting time and procedural instructions are determined at the first session. Includes instruction in matting and presentation of artwork.

†AR 101 Art in the Western World 3 CH
A study of the ideas and arts of those cultures that initiate and develop into the Western tradition, presented through selected illustrated examples from ancient to modern periods. Includes an analysis of the basic characteristics of the art and architecture of these eras in the context of general cultural trends.

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

†AR 110 Visual Organization 3 CH
Investigates the compositional elements of art structure. Principles of two-dimensional design taught through a series of experimental exercises and applied problems in the visual organization of line, shape, tone, texture, and space with emphasis on their value in the communication of ideas.

AR 111 Design: Color 3 CH
Discovery and experimentation with the interaction of shape, space, light, and texture as related to color. Further study of the influence of color interaction on color perception and color symbolism with problem emphasis on the creation of space and pattern through value and intensity control. Prerequisite: AR 110.

AR 112 Design: Three-Dimensional Graphics 3 CH
Explores the fundamental concepts of three-dimensional design. Emphasis on basic problems dealing with mass, volume, and planes in space using various materials. Prerequisite: AR 110.

†AR 120 Drawing I 3 CH
Explores the fundamental problems of composition and perception as related to drawing. Experimentation with varied media directed toward both the descrip-
AR 130 Painting I 3 CH
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 CH
A beginning course dealing with the basic understanding of various techniques and methods of painting with watercolors. Emphasis on compositional elements and value relationships. Prerequisites: AR 111 and AR 120.

AR 155 Basic Black and White Photography 3 CH
Designed to meet the needs and interests of the beginning photography student. Topics include slides and darkroom experience covering the camera, f-stops, filters, lenses, developing, and printing. Experimentation in artificial lighting and special effects, (i.e., solarization, texture screens, etc.). Prerequisite: AR 110.

AR 160 Foundations in Illustration 3 CH
Explores the use of basic materials and techniques used in graphic illustration. Emphasis on drawing and design for the development of creative concepts and imaginative ideas. Focuses on spot illustrations, comp work, and the use of mixed media. Prerequisite: AR 220.

†AR 201 Studies in Modern Art 3 CH
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 CH
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 painting on European culture.

†AR 205 European Art: Seventeenth–Nineteenth Century 3 CH
A course treating 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 CH
Examines art currently being shown in galleries and museums. Surveys the development of the new approaches to form and analyzes the formal idea as related to execution and content. A study of European and American art from 1920 to the present. Prerequisite: AR 201.

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

AR 210 Design: Letterforms 3 CH
Discovery of the expressive and abstract qualities of letterforms. Exploration of their use in illustration and design for-
mats. Experience in creative lettering and calligraphy. Prerequisite: AR 110.

**AR 211 Typography/Layout 3 CH**
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 the thought and idea. Emphasis is on type specification, copyfitting, type indication, and computer type layout. Prerequisite: AR 110.

**AR 212 Graphic Processes 3 CH**
An exposition of printing methods including various processes in plate-making, diecuts, embossing, full-color process printing, paper basics, and current technical innovations. Studio experience in the preparation of art copy for printing production: (i.e. paste-ups, mechanicals, overlays, keylining, etc.). Prerequisite: AR 211.

**AR 214 Computer Design Basics 3 CH**
This course lays the foundation for the design application of computer graphics. Basic design elements and techniques are covered as they apply to the computer and its painting and drawing programs. The course consists of a mix of technical and creative topics in the computer graphic system. Technical sessions emphasize the basic operation and function of the computer while creative sessions explore applied concepts of paint and object-oriented computer graphics. Prerequisites: AR 110 and AR 120.

**AR 220–221 Drawing II, III 3 CH Each**
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 technique for individual expression and self-awareness. Prerequisite: AR 120.

AR 221 is 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 interpretation. Prerequisite: AR 220.

**AR 223 Three-Dimensional Drawing 3 CH**
A basic rendering course dealing with the illustration 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 Computer Rendering 3 CH**
Application of Macintosh computer to drawing and painting concepts and problems. Development of drawing and painting skills using various software programs. Projects assigned to develop symbol/image interaction with the new medium. Prerequisite: AR 160.

**AR 230 Painting II 3 CH**
Continues the development of painting techniques with emphasis on pictorial organization and color sensitivity. Focuses on development of creativity and individuality including both objective and nonobjective processes and concepts. Prerequisite: AR 130.

**AR 231 Painting III 3 CH**
An advanced study toward the development of individual expression. The exploration of independent compositional ideas and technical means related

†Core Course
to content. Critiques and evaluations are constant. Prerequisite: AR 230.

AR 256 Color Slide Photography 3 CH
An introduction to the fundamentals of color slide photography. Topics covered in class are camera care and handling, visual literacy, composition, the nature of light, existing and artificial light, color, portraiture, incandescent light, and experimental photography.

AR 260 Illustration I 3 CH
An introduction to illustration as a communications medium. Development of effective techniques using color with emphasis on composition, design, and originality. General technical study of illustration and its related elements to the total format. Fundamental studio problems stressing graphic sensibility related to many levels of communication. Prerequisites: AR 090, AR 111, and AR 160.

AR 261 Illustration II 3 CH
Development of the visual communication of ideas with emphasis on the technical and graphic means for conveying visual impact. Expanded technical usage of full color, line, and halftone methods of illustration. Problems and assigned projects related to individual interests. Prerequisite: AR 260.

AR 262 Head Painting and Drawing 3 CH
Structural painting and drawing of the head and its character. Emphasis on historical and traditional methods of representation using various media and techniques: tonal drawing, acrylic, tempera, oil, etc. Prerequisite: AR 220.

AR 264 Advertising Illustration 3 CH
Deals with the imparting of visual impact and excitement for the selling of products and services. Developing and finishing illustrations for advertising with consideration for reproduction requirements. Problems dealing with line, black and white, limited, and full-color advertising. Prerequisite: AR 261.

AR 270 Graphic Design I 3 CH
Focuses on the application of design principles as related to visual communication. Includes development of layout techniques, paste-ups, typographic design, illustration, and photography as related to print media, package design, publication design, corporate identity systems, etc. Emphasis on the ability to create effective problem-solving concepts. Prerequisites: AR 090 and AR 212.

AR 271 Graphic Design II 3 CH
Develops the ability to solve specific design problems in all areas of visual communication. Establishing the idea from rough layout to tight comps and coordinating the elements to create effective visual statements. Prerequisite: AR 270.

AR 272 Advertising Design 3 CH
Explores aspects of print advertising, its creation and presentation. Stresses concepts as related to advertising promotion. Layouts, tight comps, and presentations are required. Prerequisite: AR 212.

AR 273 Marker Rendering 3 CH
Involves the use of various techniques employed in presenting ideas to clients in a clear, precise visual language. Special emphasis on the efficient use

†Core Course
of markers to prepare quick idea sketches and finished comprehensive rendering in a manner currently used by freelance and studio artists. Pre-requisites: AR 111 and AR 220.

**AR 274 Computer Graphic Design** 3 CH

Introduction to the terminology, concepts, and applications of computer-aided graphic design. Through lectures/demonstrations, the advantages and limitations of the Macintosh as a design tool are explored. Primary focus on the applications of computer design in the preparing of print material. Prerequisites: AR 111 and AR 271.

**AR 299 Special Topics in Art** 3 CH

Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

**AR 320 Drawing IV** 3 CH

Advanced problems of perception, structure, anatomy, and concepts in drawing the human figure. Focus on independent development of the expressive use of various drawing media. Prerequisite: AR 221.

**AR 330 Painting IV** 3 CH

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. Includes development of an independent painting project. Prerequisite: AR 231.

**AR 360 Illustration III** 3 CH

An advanced series of studio problems related to the student's specific area of illustration. Emphasis on solutions both practical and relevant to professional needs and demand. Assignments are geared for application to the student's portfolio. Prerequisite: AR 261.

**AR 363 Editorial Illustration** 3 CH

Illustration with the short story and editorial views. Preparation of idea sketches in relation to the text and page layout and finished illustrations. Prerequisite: AR 260.

**AR 370 Advanced Graphic Design** 3 CH

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 Portfolio Preparation** 3 CH

Development of a graduate portfolio geared toward the student's professional goals. Includes an inventory of past assignments and suggestions for complementary ones. Guidance from faculty and visiting professionals. Prerequisite: All required art courses in major emphasis.

**AR 391 Senior Project** 3 CH

An in-depth study for the Painting concentration. Encompasses problem-solving and technique indicative of the ability to work as a mature and inde-
pendent artist. Includes preparation and organization of a solo show. Prerequisite: All required art courses in major emphasis.

**AR 399 Independent Study** 1–3 CH
Individual problems performed in a classroom or private studio. Students must have completed the most advanced course in the area selected for independent work. Admission arranged in consultation with the faculty chairperson and Art faculty advisor.

**Athletic Training (AT)**

**AT 100 Introduction to Athletic Training** 3 CH
Provides basic understanding of the care, prevention, and rehabilitation of athletic injuries. Incorporates the fundamentals of first aid and emergency care. Prerequisite: BI 132.

**AT 200 Kinesiology** 3 CH
The study of basic mechanical and kinesiological principles and their functions, interrelationships, and involvement with the mechanics of human motion. Prerequisite: PY 100 or equivalent.

**AT 250 Exercise Physiology** 3 CH
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 CH
This course examines the nutrient and food energy needs of the physically active, such as athletes. Prerequisite: AT 100.

**AT 275 Adapted Physical Activities** 3 CH
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. Prerequisite: AT 100.

**AT 299 Special Topics in Athletic Training** 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

**AT 300 Advanced Athletic Training** 3 CH
Provides a thorough understanding of the care, prevention, and rehabilitation of athletic injuries. Prerequisite: AT 100.

**AT 350 Therapeutic Modalities** 3 CH
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 100.

**AT 351 Therapeutic Exercise** 3 CH
Methods of evaluating students and design of individual exercise programs.
for students with temporary or permanent physical limitations. Prerequisite: AT 100.

**Biology (BI)**

**†BI 010 The Nature of Life** 4 CH
An introduction to basic biology concepts with emphasis on the molecular and cellular nature of life, energy systems in plants and animals, origin of life, reproduction, and basic evolutionary strategies. Three hours of lectures and two hours of experiment and discussion per week.

**†BI 020 Heredity and Society** 4 CH
A genetics course designed for the non-science major. Examines the physical basis of inheritance, the molecular nature of genetic information, and the effects of recent findings on society. Three hours of lecture and two hours laboratory/discussion per week.

**†BI 030 The Human Body** 3 CH
A nonlaboratory, one semester, core course designed especially for the nonscience major. Emphasis on human physiology and the role humans play in the health and maintenance of their bodies. The central theme is homeostasis. Topics include: human organization, processing and transporting, integration and coordination, and reproduction. Three hours of lecture per week.

**†BI 051 Introduction to Marine Biology** 4 CH
An introduction to the biology of marine organisms with emphasis on natural history, adaptations to the environment, and ecological interrelationships. Extensive field trips enable the student to observe and study marine organisms from a variety of habitats. Three hours of lecture and two hours laboratory/discussion per week.

**†BI 052 Man and the Environment** 4 CH
An inquiry into the interactions of man and 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.

**†BI 111–112 Concepts in Biology I, II** 3 CH Each
An investigation into the major concepts in modern biology. First semester concentrates on topics in cell biology, energetics, genetics, and origin of life and evolution. Second semester investigates organismal organization, transport, nutrition, control of the internal environment, hormonal and neural control, and reproduction. Emphasis is placed on the diversity and relationships of all living organisms. This course is the introductory course for the Biology major, the Pre-Physical Therapy program, and the Medical Technology major. Three hours of lecture per week. Corequisites: BI 113, BI 114.

**BI 113 Concepts in Biology I Laboratory** 1 CH
A laboratory corequisite for BI 111. Designed to provide students with practical experience in fundamental biological methods and introductions to major concepts and theories, by means of formal lectures, discussions, and hands-on work. Topics include microscopic techniques, cell structure and

†Core Course
function, biological chemistry, cellular physiology, molecular biology, reproduction of eukaryotic cells, and a survey of the Kingdoms Monera, Protista, and Fungi, using an evolutionary theme. One three-hour session per week. Corequisite: BI 111.

**BI 114 Concepts in Biology II Laboratory**  
A laboratory corequisite of BI 112. A continuation of the themes established in BI 111-113, beginning with the surveys of the Kingdoms Plantae and Animalia and followed by an introduction to organismal biology. Topics include the structure, function, reproduction, and development of plants and animals with emphasis on angiosperms and vertebrates, respectively. Corequisite: BI 112; prerequisites: BI 111, BI 113.

†**BI 131–132 Human Anatomy and Physiology I, II**  
A study of the structure of cells, tissues, and organ systems, their functional interrelationships and control mechanisms. Laboratory periods provide practical experience in understanding these concepts. Required for Nursing, Respiratory Care, and Medical Technology students. Also required for Pre-Physical Therapy and Athletic Training. All other students are advised to consult instructor before registering for this course. Three hours of lecture and one three-hour laboratory period per week. BI 131 is a prerequisite to BI 132.

**BI 161 Introduction to Microbiology**  
An introduction to the study of microorganisms, their basic morphology, cultivation, metabolism, and genetics. Infectious diseases are considered. Emphasis on the bacteria, viruses, and fungi. Laboratory work stresses sterile technique, microscopic, cultural, and biochemical characteristics, and control of bacteria. Required for Nursing students. Three hours of lecture and one three-hour laboratory period per week.

**BI 210 Plant Morphology and Function**  
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, BI 114.

**BI 212 Animal Development**  
A study of gametogenesis, embryogenesis, morphogenesis, and evolutionary differentiation among vertebrates. The biochemical control of development of the major systems is investigated. Laboratory work in gametogenesis, meiosis, cell differentiation, and organ systems in selected vertebrates. Three hours of lectures and three hours laboratory per week. Prerequisites: BI 112, BI 114, BI 220, CH 152, and CH 154.

**BI 220 Genetics**  
A study of the cytological and molecular basis of inheritance. Three hours of lecture and two hours of seminar per week. Prerequisites: BI 111, BI 113, CH 151, and CH 153 (chemistry may be taken concurrently).

**BI 230 Microbiology**  
A study of patterns of microbial genetics, physiology and ecology. Laboratory
work concentrates on identification of bacterial species. Three hours of lecture and three hours laboratory per week. Prerequisites: BI 111, BI 113, CH 151, and CH 153.

**BI 235 Histology** 4 CH
A study of the 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, BI 114.

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

**BI 245 Vertebrate Biology** 4 CH
An introduction to the taxonomy, anatomy, reproduction, and life history of the orders of the vertebrates. Three hours of lecture, three hours of laboratory per week. Prerequisites: BI 112 and BI 114.

**BI 250 Medical Microbiology** 4 CH
A comprehensive study of pathogenic microorganisms with emphasis on bacteria. The laboratory deals with extensive use of differential and selective media for identification of these microorganisms. Biochemical and select immunological tests are used to augment the preliminary ones. Three hours of lecture and one three-hour laboratory per week. Prerequisite: BI 230.

**BI 260 Marine Biology** 4 CH
An introduction to marine science. Emphasis is placed on 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, BI 114.

**BI 299 Special Topics in Biology** 3–4 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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 prerequisites.

**BI 311 Cell Biochemistry** 4 CH
The physiological principles governing the functions of cells with molecular biology as the basis. Topics include enzyme chemistry, sources and distribution of energy, cellular metabolic pathways, protein synthesis, and membrane transport. Laboratory work includes biochemical analysis, enzyme kinetics, and biochemical pathway studies. Three hours of lecture and three hours laboratory per week. Prerequisites: BI 220, CH 222, and CH 224 or permission of the instructor.
BI 312 Systems Physiology 4 CH
The physiology of vertebrate systems with emphasis on the human. Topics include cardiovascular, respiratory, neural, muscular, digestive, endocrine, reproductive, and excretory physiology. Laboratory work includes studies of muscle-protein, quantitative neural impulse conduction, quantitative cardiovascular parameters, and other systems. Three hours of lecture and three hours laboratory per week. Prerequisites: BI 112, BI 114, CH 152, and CH 154.

BI 320 Advanced Genetics Seminar 3 CH
This seminar explores a specific theme or selected topics in genetics. Prerequisite: BI 220.

BI 325 Immunology 4 CH
A study of the immune response including characteristics of antigens, antibodies, and antigen-antibody interactions. Laboratory work includes agglutination precipitation, complement fixation reactions, animal inoculations, and other immunological techniques. Three hours of lecture and three hours laboratory per week. Prerequisite: BI 230.

BI 330 Virology 3 CH
A general course on the nature of bacterial, animal and plant viruses. Emphasis is placed on the studies of representative members. These studies include lectures and may include demonstrations and/or independent research. Topics cover viral absorption-penetration, replication, release. In addition, viral infection and pathology is covered. Prerequisite: BI 230.

BI 340 Comparative Vertebrate Anatomy 4 CH
Comparative anatomy of vertebrates in relation to their lifestyle and evolutionary status. Study of systems including integument, skeleton, muscle, circulation, respiration, digestion, urogenital tract, brain, and peripheral nerves of selected vertebrate types. Three hours of lecture and four hours laboratory per week. Prerequisite: BI 212.

BI 350 Ecology 4 CH
The fundamental concepts of plant and animal ecology as revealed by field and laboratory studies of communities, succession, energy systems, physical-chemical factors of the environment, and population dynamics. Three hours of lecture and one laboratory/field session per week. Prerequisites: BI 112, BI 114, CH 152, and CH 154.

BI 355 Molecular Biology 4 CH
This course presents the foundations of molecular biology and surveys the applications of recombinant DNA technology to a variety of academic medical, industrial, and agricultural objectives. Throughout the course, ethical and social concerns related to these applications are highlighted. Heavy emphasis is placed on the analysis of relevant primary journal articles and hands-on training in recombinant DNA techniques. Students are exposed to the use of computers in DNA sequence analysis and scientific communication via the Internet. Prerequisites: BI 220, CH 221, and 223; corequisites: CH 222 and 224.

BI 360 Internship 3–6 CH
A study of a biological topic or of an interdisciplinary project that provides

†Core Course
majors with an opportunity to gain experience not specifically available in Sacred Heart University's Biology curriculum. Directed by an appropriate professional (internship instructor) in consultation with a University biologist. The student must submit a formal proposal to the chairperson of the Faculty of Science, Mathematics, and Computer Science. The internship will be monitored by the University biologist, who will assign a course grade in consultation with the internship instructor.

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

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

**Business Administration (BU)**

**BU 103 Business: Its Nature and Environment**  
3 CH  
Provides an overview of all of 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 CH  
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 CH  
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, MT 080, and Sophomore standing.

**BU 202 Organizational Behavior**  
3 CH  
Organization behavior is about people and how they act and interact, mostly as members of groups. Current theories of organization 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 CH  
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 persons with different cultural backgrounds, and culture changes not only from country to country, but even from region to region. Students will come to understand these differences and to learn not to rely on their self-reference criterion. Prerequisites: BU 201 and BU 202.

BU 206 Organization and Administration of Sports 3 CH
This course 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 CH
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 CH
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 résumé preparation, goal setting, and the interview process. Prerequisites: C or better in EN 011, EN 012, and CA 021.

BU/MS 222 Sports Communications 3 CH
The fundamentals needed to implement a program in sports information, publicity, and promotions are examined. 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 CH 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 CH
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.

†Core Course
BU 235 Sports Law 3 CH
An exploration of 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 CH
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 MT 080 and MT 110.

BU 257 Business Ethics 3 CH
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 CH
Survey of 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 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

BU 301 Business Policy 3 CH
This course 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 CH
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 CH
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 CH**

Students work on a special topic under the direction of an instructor. Permission of the instructor and department chairperson will be granted to qualified Business majors on the basis of a written proposal from the student.

**Chemistry (CH)**

**†CH 010 Contemporary Issues in Chemistry for Nonscientists 4 CH**

This course teaches chemistry as an experimental science in the context of the things affecting the everyday world and the environment. The course uses chemistry to acquaint today's citizen with the workings of science in the context of the need for science literacy. The diligent student should acquire a better understanding of the complexity of environmental and societal issues resulting from the scientific and technological advances in fields that are related to chemistry and be better prepared to make rational judgments on these issues. Two 75-minute lectures per week with one three-hour laboratory session or one two-hour discussion on alternating weeks.

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

For Art majors or minors. Topics include basic principles of chemistry, chemistry of the materials used by the artist, history of the chemistry of dyes and pigments, detection of art forgeries, art restoration, chemistry of color, art hazards, and safety precautions. Two 75-minute lectures and one two-hour discussion/laboratory per week.

**†CH 025 Forensic Chemistry 4 CH**

Examines the principles of chemistry related to physical evidences such as blood, paint, glass, hair, fibers, drugs, and soil in criminal cases. Lecture and laboratory deal with the preservation and analysis of evidence and presentation of evidence in a court of law. Two 75-minute lectures and three hours laboratory or one two-hour discussion per week. Prerequisite: Criminal Justice major.

**†CH 040 Introduction to Environmental Chemistry 3 CH**

Discusses the basic principles of chemistry and chemistry's impact on the environment. Topics include the energy and material sources of food products, production, impact of air and water pollution on agriculture and food products, plastics and household products. Emphasis on contemporary problems and the outlook for their solution. Two 75-minute lectures per week.

**†CH 090 Principles of Chemistry 4 CH**

Explores the fundamentals of chemistry and its role and importance to the health sciences. Topics include physical properties of matter, laws of chemical change, kinetic molecular theory, atomic weights and molecular formulas, atomic structure, principles of chemical bonding, chemical equilibrium, solution chemistry, and nuclear reactions. Two 75-minute lectures and one three-hour laboratory or one two-hour discussion per week.

†Core Course
†CH 095 Principles of Organic and Biochemistry 4 CH
Organic chemistry is surveyed 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 CH
A systematic study of the fundamental laws and theories of chemistry: modern theories of atomic and molecular structure, chemical bonding, periodic relations, chemical reactions, stoichiometry, states of matter, solutions, acid-base theories, and equilibria. Three hours of lecture and one hour of discussion per week. Prerequisite: CH 090 or high school chemistry; corequisite: CH 153.

†CH 152 General Chemistry II 3 CH
Explores chemical thermodynamics, chemical kinetics, chemical, and ionic equilibria, electrochemistry, chemistry of the representative elements, and transition elements, and nuclear reactions. Three hours of lecture and one hour of discussion per week. Prerequisites: CH 151 and CH 153; corequisite: CH 154.

CH 153 General Chemistry Laboratory I 1 CH
Laboratory experiments are illustrative of the basic concepts presented in CH 151. Experiments include qualitative analysis of cations and anions. One three-hour laboratory period per week. Corequisite: CH 151.

CH 154 General Chemistry Laboratory II 1 CH
Laboratory experiments are illustrative of the basic concepts presented in CH 152. Experiments include volumetric and gravimetric methods of analysis. One three-hour laboratory period per week. Corequisite: CH 152.

CH 221 Organic Chemistry I 3 CH
An intensive treatment of the subject within the framework of the headings: alkanes, alkenes, alkynes, dienes, alicyclic hydrocarbons, stereochemistry, optical activity, aromaticity, electrophilic aromatic substitution reactions, arenes, alkyl halides, nucleophilic aliphatic substitution reactions, elimination reactions, and spectroscopy, especially IR, NMR, MS, and UV spectroscopy in relation to structure determination. Two 75-minute lectures per week. Prerequisites: CH 152 and CH 154; corequisite: CH 223.

CH 222 Organic Chemistry II 3 CH
A continuation of CH 221. Topics include alcohols, ethers, epoxides, carboxylic acid and its functional derivatives, aldehydes, ketones, amines, phenols, carbanion reactions, alpha-beta unsaturated compounds, carbohydrates, lipids, and proteins. Emphasis is placed on organic reaction mechanisms, organic synthesis, and structure determination using spectroscopic techniques. Two 75-minute lectures per week. Prerequisite: CH 221; corequisite: CH 224.

CH 223 Organic Chemistry Laboratory I 1 CH
Basic techniques in organic chemistry such as extraction, distillation, recrystallization, thin layer chromatog-
raphy, gas chromatography are studied. Organic synthesis is a major part of the laboratory work. One three-hour laboratory per week. Corequisite: CH 221.

CH 224 Organic Chemistry Laboratory II 1 CH
A continuation of CH 223. Organic synthesis is the major portion of this course. Multi-step organic syntheses using a wide variety of organic reagents and some important functional group analyses are carried out. One three-hour laboratory per week. Pre-requisite: CH 223; corequisite: CH 222.

CH 245 Safety in the Chemistry Laboratory 1 CH
Deals with proper chemical storage, chemical transportation, waste disposal, proper laboratory handling of glassware and equipment, carcinogens, proper labeling, toxicological effects of certain chemicals, and OSHA regulations. Three hours of lecture per week for five weeks. Prerequisites: Minimum three, preferably four chemistry courses (12 to 16 credit hours) or permission of the chairperson.

CH 252 Analytical Chemistry 3 CH
Provides a working knowledge of the analytical methods and stresses the chemical principles fundamental to quantitative analysis and the theories of classical gravimetric and volumetric methods. Topics include the reliability of analytical data, solubility of precipitates, gravimetric analyses, volumetric methods, precipitation, neutralization, complex formation, nonaqueous, and oxidation reduction equilibria and titration systems. Two 75-minute lectures per week. Prerequisite: CH 221; corequisite: CH 254.

†Core Course

CH 254 Analytical Chemistry Laboratory 2 CH
Provides laboratory experience in a wide variety of volumetric and gravimetric methods. Experiments are designed to correlate with lecture material in CH 252 and develop proper analytical procedures and techniques in addition to an understanding of the chemistry involved. Two three-hour laboratories per week. Corequisite: CH 252.

CH 321 Biochemistry I 3 CH
Chemical and physical properties of carbohydrates, lipids, membranes, amino acids, proteins, enzymes, and nucleic acids are studied. The major metabolic pathways and enzymology are covered in depth. Two 75-minute lectures per week. Prerequisite: CH 222; corequisite: CH 323.

CH 322 Biochemistry II 3 CH
Examines the chemistry of analytical methods for carbohydrates, lipids, proteins, enzymes, electrolytes, and hormones. The roles of these substances in physiological processes are also discussed. Two 75-minute lectures per week. Prerequisite: CH 321; corequisite: CH 324.

CH 323 Biochemistry Laboratory I 1 CH
Experiments investigate the chemical and physical properties of biologically important compounds. Methods used include chromatography, electrophoresis, enzyme assays, and various techniques for isolation and identification of biochemicals and enzymes. Three hours of laboratory per week. Corequisite: CH 321.
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CH 324 Biochemistry Laboratory II 1 CH
Methods for the determination of carbohydrates, lipids, enzymes, proteins, electrolytes, hormones, and other substances in body tissues are studied. Techniques used may include chromatography, electrophoresis, spectrophotometry, fluorometry, and electroanalytical methods. Three hours of laboratory per week. Corequisite: CH 322.

CH 331 Physical Chemistry I 3 CH
Topics include thermodynamics, statistical thermodynamics, kinetic theory of gases, changes of state, solutions, and chemical affinity. Two 75-minute lectures per week. Prerequisites: CH 152, CH 154, and MT 152 or PY 152; corequisite: CH 333.

CH 332 Physical Chemistry II 3 CH
A continuation of CH 331. Topics include chemical reaction rates and quantum mechanics. Two 75-minute lectures per week. Prerequisite: CH 331; corequisite: CH 334. Co- or prerequisite: MT 251 or permission of instructor.

CH 333 Physical Chemistry Laboratory I 1 CH
A study of various techniques used to apply the fundamental concepts of physical chemistry to real chemical systems. One three-hour laboratory session per week. Corequisite: CH 331.

CH 334 Physical Chemistry Laboratory II 1 CH
A continuation of CH 333. A study of the more advanced techniques of physical chemistry. The course applies the theoretical concepts learned in CH 332 to real chemical systems. One three-hour laboratory session per week. Prerequisite: CH 334.

CH 341 Environmental Chemistry 3 CH
This course focuses on the chemical aspects of the human environment. It examines the sources, reactions, transport, effects, and fates of chemical species in water, soil, and living environments and the effects of technology thereon. Two 75-minute lectures per week. Prerequisite: CH 222.

CH 342 Toxicology 3 CH
This course investigates the effects and interaction of toxic chemical species on organisms and biological tissues. Also, explores various toxic test methods and risk assessment. Two 75-minute lectures per week. Prerequisite: CH 322.

CH 343 Environmental Sampling and Analysis 1 CH
Laboratory and field work including sampling of surface and groundwater, chemical, and biological analyses of water, monitoring treated effluent quality control, and detection of hazardous contaminants. One three-hour laboratory session per week. Corequisite: CH 341.

CH 344 Environmental Regulation 1 CH
This course focuses on the administration agencies that promote environmental, health, and safety goals at all levels of government. The constitution position of these agencies is studied. Various current environmental regulations dealing with air, water, and soil pollution are examined as well as rule-making and adjudication. One three-hour lecture per week. Prerequisite: CH 341.

†Core Course
CH 351 Instrumental Analysis  3 CH
Presents the theory and practice of instrumental methods to quantitative analysis. Topics include spectrophotometric, electroanalytical, and chromatographic methods of separation and quantification. Practical applications and state-of-the-art techniques are discussed. Two 75-minute lectures per week. Prerequisites: CH 252 and CH 331 or permission of the instructor; corequisite: CH 353.

CH 353 Instrumental Analysis Laboratory  1 CH
Provides hands-on experience with modern analytical instruments. Laboratory experiments in visible, ultraviolet, infrared, and atomic absorption spectrophotometry, potentiometric, and ion selective electrode methods, electrodeposition, and gas chromatography are performed. One three-hour laboratory session per week. Corequisite: CH 351.

CH 355 Advanced Inorganic Chemistry  4 CH
The physical and chemical properties of the elements and their compounds are correlated with their positions in the periodic table. Bonding theory and coordination chemistry are emphasized. A project-type laboratory work is required. Three hours of lecture plus three hours laboratory per week. Prerequisite: CH 152.

CH 393 Undergraduate Project  2–3 CH
A special project may be carried out under the advisement of a Chemistry faculty member either in the Junior or Senior year. Prerequisite: Permission of the department.

CH 395 Undergraduate Research  2–3 CH
Research may be carried out under supervision of a Chemistry faculty member either in the Junior or Senior year. The course may be repeated. Prerequisite: B average and/or permission of the department.

CH 399 Special Topics in Chemistry  2–3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

Communications (CA)

CA 020 Introduction to Effective Communication  3 CH
Designed for the non-native speaker of American English, this course stresses communication skills necessary for living, working, and studying in America. Emphasis on conversation, vocabulary, enhancement, and pronunciation. Language laboratory is required. Does not carry degree credit.

CA 021 Effective Communication  3 CH
Explores and analyzes the total communication process (source, message, context, noise, channel, receiver) through instruction and practice in individual self-expression as well as interpersonal activity sessions, small group commu-
communication exercises, and oral interpretation of literature.

CA 121 Advanced Effective Communication 3 CH
Designed for the student who wants to expand and refine the composition and presentation skills mastered in CA 021, this course affords opportunities for guided experimentation in those speech situations pertinent to his or her needs (i.e., business, education, law, politics, etc.). Prerequisite: CA 021.

CA 131 Interpersonal Communication 3 CH
Designed to improve the student's ability to communicate in interpersonal contexts. Recent research covered deals with communication models, transactional analysis, communication games, breakdowns and barriers, nonverbal communication, and group communication. Communication games and student-designed projects add to the course's experiential nature.

CA 141 Introduction to the Theater 3 CH
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 CH
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 non-scripted material: 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 CH Each
A survey of theatrical and dramatic history from 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 elements of play production, theater architecture, and the stage, costumes, scenery and lighting, acting and directing, music and dance, theater management, and the audience. Oral reports and research paper are required. Prerequisites: CA 021, EN 012, or permission of the instructor.

CA 171 Acting I 3 CH
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 and to develop his or her improvisatory skills. CA 271 continues work begun in this course. Prerequisite: CA 021 or permission of instructor.

CA/BU 221 Business Communications 3 CH
A course in the practice of oral and written communication skills as they apply to the corporate level of business. The student is required to do public

†Core Course
speaking; memo, letter, and report writing; group communication projects; analysis of communications; and résumé writing and interview preparation. Prerequisites: EN 011, EN 012, and CA 021.

**CA 261 Public Speaking** 3 CH
This performance course in the organization and delivery of the extemporaneous speech to inform and persuade stresses audience analysis, context, selection of support materials, analysis, organization, and evaluation of diverse speech situations. Prerequisite: CA 021.

**CA 270 Nonverbal Communication** 3 CH
Familiarizes the student with the means by which we consciously and unconsciously communicate without words. Relevant research includes proxemics, gestures, expressions, object language, touch, signs, and other aspects of nonverbal communication. Prerequisite: CA 021.

**CA 271 Acting II** 3 CH
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 the instructor.

**CA 273 Drama Workshop I** 3 CH
**CA 274 Drama Workshop II** 3 CH
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 Drama Practicum I** 3 CH
**CA 375 Drama Practicum II** 3 CH
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 CH
An introduction to the study of literature from the viewpoint of the oral reader. Theories of criticism and aesthetics as well as study of voice and communication are fused into the re-creative art of oral interpretation. Opportunities for public performance both on and off campus will be arranged. Prerequisite: CA 021.

**CA 299 Special Topics in Communications** 3 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.
Computer Science and Information Technology (CS)

†CS 009 Introduction to Data Processing 3 CH
Presents the data processing-oriented student or businessperson with a basic understanding of the fundamentals of data processing and the functioning of the computer. Provides knowledge and understanding necessary to communicate effectively and intelligently in the microcomputer-driven business environment of today. For the non-Computer Science major.

†CS 011 Introduction to Computer Science 3 CH
An introduction to programming logic using flowcharts, structured flowcharts, and the modular approach. This course presents an overview of computers and their functions and serves as an introduction to the VI editor and UNIX operating system. For the Computer Science major.

†CS 050 Introduction to Structured Programming 3 CH
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 011.

CS 051 Data Structures 3 CH
A continuation of CS 050 using a structured programming language to further implement multi-dimensional arrays and other data structures including linked lists, queues, stacks, recursion, and trees. Prerequisite: CS 050.

†CS 103 Survey of Microcomputer Software 3 CH
An applications-oriented introduction to the use of WordPerfect, FoxPro, and Microsoft Excel on the IBM personal computer. An elective for the non-Computer Science major.

CS 120 FORTRAN Programming 3 CH
An introduction to problem-solving concepts and algorithm design, computers, FORTRAN programming, and applications to a variety of disciplines. Prerequisite: CS 051.

CS 130 Computer Systems 3 CH
Examines the hardware and software components comprising computer operating systems. Emphasis on the logical elements that allow multiprocessing environments to exist. Prerequisite: CS 051.

CS 155 COBOL Programming 3 CH
An introduction to the COBOL language and its application to solving business-oriented data processing problems. Four hours a week of laboratory required. Prerequisite: CS 051.

CS 190 RPG II 3 CH
Development of RPG programs as related to practical commercial and industrial applications. RPG II features such as tables, arrays look-ahead force, display, sort/force, and addrout files are included. Prerequisite: CS 155.

CS 203 Data Base Design 3 CH
Fundamentals of data base design theory and applications. Includes data
models with emphasis on the relational model. Prerequisite: CS 210.

**CS 210 Software Engineering** 3 CH
The study of software engineering focusing on analysis, requirements, design, implementation, and maintenance. Group projects follow project team concept. Automated software tools are utilized. Prerequisite: CS 051.

**CS 211 C: Advanced Programming** 3 CH
Advanced programming techniques with emphasis on mathematical and scientific programming applications. Topics include recursion, advanced data structures, and pointers. Prerequisite: CS 051.

**CS 213 Advanced Microcomputer Software** 3 CH
Development of spreadsheet macros and data base programs. Program development, file handling, security, documentation, and data base types are discussed. Prerequisite: CS 103.

**CS 220 The Analysis of Algorithms I** 3 CH
The mathematical theory and techniques underlying the analysis of algorithms and applied problem solving. Prerequisites: MT 152 and CS 051.

**CS 221 Numerical Computation** 3 CH
Algorithms for numerical problems in the biological, physical, and social sciences; linear and non-linear algebraic problems; optimization problems; and ordinary differential equations. Prerequisites: MT 152 and CS 220.

**CS 240 Introduction to Systems Programming** 3 CH
Techniques for sophisticated programming. Assembly language programming and systems programming languages. Modular construction of big programs. Data structures and storage allocation systems. Prerequisite: CS 130.

**CS 255 Advanced COBOL Programming** 3 CH
A continuation of CS 155. Presents segmentation, overlay processing, and efficiency and tradeoffs in coding and program design. Four hours a week of laboratory required. Prerequisite: CS 155.

**CS 290 Systems Analysis and Design** 3 CH
An introduction to the practical application of computers to solving business-related problems. Analysis, design, and evaluation techniques are stressed. Prerequisite: CS 210.

**CS 299 Special Topics in Computer Science** 3 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

**CS 300 Data Communication and Systems Networking** 3 CH
An introduction to data communications and networking concepts. Investigation of the OSI model with emphasis on

CS 303 Advanced Data Base 3 CH
Design considerations in a multi-application data base supporting integrated business systems. Prerequisite: CS 203.

CS 322 ADA Programming 3 CH
Presents the history and important features of ADA language. The student develops ADA program units (generics, packages, and tasks) using a validated ADA Compiler. Prerequisite: Knowledge of Pascal, MODULA 2, or C.

CS 323 Introduction to Logic and Theorem Proving 3 CH
Propositional and predicate calculus, the first and second order logic, and correctness of programs are covered. Prerequisite: Permission of instructor.

CS 324 Introduction to X-Windows 3 CH
Windowing concepts are examined. Prerequisite: CS 211.

CS 330 Artificial Intelligence 3 CH
This course covers the essentials of artificial intelligence (AI): definition of AI; heuristic, adversary, and other search methods for solving and games; principles of knowledge representation; AI languages; and survey of applications. Prerequisites: CS 220 or permission of the instructor.

CS 340 Structured Programming Language/Compiler Design 3 CH
Compiler organization and implementation, code generation and organization, Lexical analysis, formal syntax specification, and language theory.

Compiler design simulation. Prerequisites: CS 211 and CS 220.

CS 358 Fourth-Generation Languages 3 CH
Fourth-generation products are composed of a number of non-procedural systems that aid both technical and non-technical users. Introduces non-navigational data base management systems, end-user computing, querying, and reporting facilities. Prerequisites: CS 210 and CS 290.

Criminal Justice (CJ)

CJ 101 Introduction to Criminal Justice 3 CH
A basic course designed to provide an overview of the criminal justice system and its processes. The system is studied as a total interacting body, police, parole, probation, law enforcement, courts, corrections, and diversion programs. Prerequisite: PS 101 or SO 101.

CJ 200/PO 351/LW 234 Constitutional Law 3 CH
The development of the Constitution through interpretations of the U.S. Supreme Court. A study of civil rights and civil liberties. Prerequisite: CJ 101.

CJ 201 Criminal Law and Procedure 3 CH
Substantive aspects of criminal law emphasizing statutory criminal law against the background of common law. Examines the purpose and goals of criminal law and a study of the historical development of its basic concepts. Prerequisite: CJ 101.

CJ 210/LW 237 Family Law 3 CH
Covers the legal entanglements in which people find themselves and con-
siders the rights of middle- and low-income groups. Topics include support obligations, legal positions of married women, abuse of women and children, legal disability of minors, divorce, alimony, support and custody procedures, separation agreements, and adoption. Prerequisite: CJ 101.

**CJ 211/LW 239 Women and the Law**

**FA 95 3 CH**

Traces the development of sex discrimination as a legal and social phenomenon. The law is covered in terms of its historical perspective. Emphasis on the developments of the 1960s and 1970s with respect to constitutional law, employment and employee benefits, education, criminal law, family law, and reproductive freedom (contraception, abortion, and sterilization). Prerequisite: CJ 101 or permission of program director.

**CJ 220 Introduction to Corrections**

**3 CH**

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 with emphasis on examining the problems of custody and rehabilitation, procedures for reintroducing the offender to society and the effects of correctional practices on the inmate. Prerequisite: CJ 101.

**CJ 221 The Administration of Juvenile Corrections**

**3 CH**

A survey of juvenile correctional institutions. Topics include community treatment programs, juvenile probation, and after care. Prerequisite: CJ 101.

**CJ 222 The Treatment of the Adult Offender**

**3 CH**

A survey of adult correctional programs and examination of the treatment of offenders in various correctional institutions. Study topics also include Probation and parole service and the Board of Pardon and Parole. Prerequisites: CJ 101.

**CJ 223 Interviewing and Counseling**

**3 CH**

Practice-oriented course designed to provide the basic techniques of counseling, as well as with an understanding of the structure and development of the counseling process. Prerequisites: PS 101 or SO 101 and CJ 101.

**CJ 224 Women and the Criminal Justice System**

**3 CH**

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 CH**

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 CH**

A study of investigative techniques and an analysis of the relationships of investigative units with other law enforcement units and agencies, and sources of information. Explores methods of surveillance, preliminary and follow-up investigation, and preparation and presentation of compre-
hensive reports of investigation. Prerequisite: CJ 101.

**CJ/LW 235 Law of Evidence 3 CH**
An explanation and analysis of the rules of evidence. Examines recent U.S. Supreme Court decisions concerning the rights of the citizen against unreasonable search and seizure and the rules for giving testimony and the protecting and safeguarding of evidence. Prerequisite: CJ 101.

**CJ 238 Police Administration 3 CH**
Formulation of policies, practices, and procedures for the internal and external direction and control of the law enforcement agency are emphasized. A study of patrol as the basic function of police operation. Prerequisite: CJ 101.

**CJ 240 Introduction to Security 3 CH**
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 CH**
Provides a thorough 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. Problems in allocation, communications, assignments, and span of control also are examined. Prerequisite: CJ 101.

**CJ 242 White-Collar Crime 3 CH**
Examines the criminal activity popularly known as white-collar crime. Through discussion of the parameters and magnitude of white-collar crime and of the literature that has been proffered as explanation for it, the student is introduced to the "role" of white-collar crime in modern society. Prerequisite: CJ 101.

**CJ 243 Private Security Law 3 CH**
Examines the relationship between the law and private security operations. Topics include the law of arrest, the law of search and seizure, temporary detention and inquiries of detained persons, security surveillance of customers and employees, the right to eject persons who abuse their privileges as invitees, and criminal law principles of particular concern to security personnel. Prerequisite: CJ 101.

**CJ 244 Security and Loss Prevention 3 CH**
Surveys all aspects of loss prevention including: techniques for the prevention and control of shoplifting and employee theft; and prevention of robbery, burglary, and fraud. Attention is given to the use of surveillance systems, alarm devices, and protective services. Prerequisite: CJ 101.

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

**CJ 246 Organized Crime 3 CH**
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 CH
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. A theory-practice approach is used (i.e., the theoretical overview is integrated with interactional and analytical information). Provides an understanding of specific crises, their causes, how people react to them, and how the nature of crisis may affect crisis intervention efforts. Prerequisite: CJ 101.

**CJ 251 Criminal Courts and Discretion**  3 CH
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 270 Issues and Problems in Criminal Justice**  3 CH
Description and analysis of crucial issues and problems relating to selected structure and processes in the criminal justice system. Reviews recent studies concerning criminal justice. Prerequisite: CJ 101.

**CJ 299 Special Topics in Criminal Justice**  3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

**CJ 320 Correctional Administration and Management**  3 CH
A study of the principles and practices applied to administration and management within the field of corrections. Investigation behavior and treatment programs are discussed. Examines factors involved in correctional decision making and innovative management techniques through lectures and readings. Prerequisite: CJ 101.

**CJ 321 Probation and Parole**  3 CH
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 CH
Examines various human relations issues that affect policing and police management such as community attitudes towards the police, emergence of the civil rights and civil liberties movement, community control of police, Civilian Complaint Review Boards, etc. Also explores programs established by the police in community relations and community involvement in police policies. Prerequisite: CJ 101.

**CJ 339 Police Supervision**  3 CH
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 including employee motivation and morale, employee relations, employee health and safety, work analysis, and grievance procedures. Prerequisites: CJ 101.

CJ 340 Physical Security Strategies 3 CH
This course explores the partnership between private security and the public justice system and their attempts to reduce crime. Topics include the development of standards and goals, private security personnel issues, and government regulation of the private security industry. Prerequisite: CJ 101.

CJ/PO/LW 352 The First Amendment 3 CH
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. Casework is supplemented with debates regarding a variety of issues involving civil liberties.

CJ 390 Internship 6 CH
Supervised placement in a criminal justice agency. Prerequisite: Permission of the program director.

Economics (EC)

†EC 101 Introduction to Economics 3 CH
Introductory course for the non-Business 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 CH
An introduction to basic macroeconomics principles. Topics include consumption, saving, investment, income and employment, business fluctuations, money and banking, fiscal and monetary policies. Prerequisite: MT 080.

†EC 202 Principles of Economics II 3 CH
An introduction to basic microeconomics principles. Topics include supply and demand, cost, profit, wages, market imperfections, and antitrust. Other topics include poverty and discrimination, environment, and energy. Prerequisite: MT 080.

EC 221 Intermediate Microeconomic Analysis 3 CH
An analysis of consumers' and firms' decisions and their roles in the determination of prices and output of goods, the allocation of resources, and the distribution of income. Topics include theory of demand, pricing models, production theory, cost analysis, market structure, factor markets, and externalities. Prerequisite: EC 202.

EC 243 U.S. Economic and Financial Development 3 CH
A survey of 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.

†Core Course
EC 299 Special Topics in Economics 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

EC 301 Intermediate Macroeconomic Analysis 3 CH
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 CH
A study 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 CH
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 individual firm’s plans regarding foreign commodity and capital exchange. Prerequisite: EC 301.

EC 313 Managerial Economics 3 CH
An analysis of 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 CH
An examination of 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 CH
This course 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.

†Core Course
EC 324 Economic Stabilization and Reform in Central Europe 3 CH
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 towards 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 CH
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 CH
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 CH
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 CH
A study of 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 373 Public Finance 3 CH
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 386 Japan: The Economic and Financial System 3 CH
An examination of 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.
EC 390 Current Issues in Economics 3 CH
Examines major contemporary economic issues open to both prospective majors and nonmajors. Demonstrates how economists deal with the difficult problems of the day. Prerequisites: EC 201 and EC 202.

EC/FN 391 Quantitative Methods in Economics and Finance 3 CH
This course is 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.

Education (ED)

ED 101 Educational Psychology 3 CH
An introductory course that considers the application of psychological principles to educational theory and practice. Includes a systematic study of the process of learning, transfer of knowledge, individual differences, motivation, measurement, and evaluation, insofar as these factors influence the teaching process.

ED 152 Education in the United States 3 CH
An introduction to the historical, philosophical, and sociological foundations underlying the development and organization of education in the United States.

ED 204 Tests and Measurements 3 CH
Focuses on teacher application and interpretation of educational testing. Norm reference, criterion reference, standardized and teacher constructed testing practices are examined.

ED 205 Education of Special Needs Students 3 CH
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 206 Models of Early Childhood Programs 3 CH
Examines the historical, philosophical, and cultural roots of contemporary early childhood education. Contrasts early childhood education models, such as the Montessori method, the cognitive-based model, the child development model, and the British Primary Schools. Current issues and innovation in early childhood education are discussed.

ED 207 Classroom Management 3 CH
Various models of instructional management and classroom discipline are discussed and demonstrated. The student learns specific skills that will help him or her be effective in a large variety of tasks required of the classroom teacher.

ED 220 Methods and Materials of Elementary Education 3 CH
Examines the basic concepts of teaching elementary education. The course explores the teaching strategies and methods for use with elementary students, particularly the elements of ef-
effective instruction. Prerequisites: ED 101 and ED 152.

**ED 221 Teaching Reading, Writing, and Language Arts** 3 CH
A study of 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 CH
A study of current practices in applied learning and curriculum development in grades Kindergarten-6 with emphasis on interdisciplinary instruction. Field experience is an integral part of this course.

**ED 223 Elementary Curriculum and Methods: Social Studies and Health** 3 CH
A study of current practices in applied learning and curriculum development in grades Kindergarten-6 with emphasis on interdisciplinary instruction. Field experience is an integral part of this course.

**ED 224 Middle Grades Curriculum and Methods: Mathematics and Science** 3 CH
A study of current practices in applied learning and curriculum development in grades 4-8 with emphasis on interdisciplinary instruction. Field experience is an integral part of this course.

**ED 225 Middle Grades Curriculum and Methods: Social Studies and Health** 3 CH
A study of current practices in applied learning and curriculum development in grades 4-8 with emphasis on interdisciplinary instruction. Field experience is an integral part of this course.

**ED 226 Methods of Teaching Pre-Academic Readiness** 3 CH
Explores methods promoting growth in language, cognition, motor development, and self-help skills. Emphasis is on the sequence of math and reading readiness skills, as well as the use of developmental assessment to determine student needs and progress.

**ED 249 Curriculum in Early Childhood Education** 3 CH
Presents new ways of integrating the creative arts, sciences, and academic skills areas into the early childhood curriculum. Approaches to language development, listening skills, beginning reading, classroom organization, parent-teacher relationships, and techniques for adapting the curricula to meet the individual needs in normal childhood development are discussed.

**ED 250 Creative Play, Movement, and Art for Early Childhood** 3 CH
Explores the importance, value, and implementation of creative play, movement, and art activities for preschool and primary grade children. Includes experimentation with and the use of various media, techniques, and methods for the decorative and practical arts; and participation in movement activities as a medium for expression.

**ED 265 Secondary Curriculum and Methods in Content Areas** 6 CH
A comprehensive study of current practices in applied learning and curriculum appropriate to grades 7-12. In addition to the study of generic teaching methodology, students work with a subject.
area specialist to develop expertise in curriculum design and implementation in the intended subject area of certification.

**ED 271 Educational Technology and Computer Applications** 3 CH
This introductory course investigates how computers can be used 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 is discussed.

**ED 272 Societal Issues in Adolescence** 3 CH
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 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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. Approval of faculty chairperson required.

**ED 342 Teaching Reading and Writing in Content Areas** 3 CH
Teaches the fundamental principles of teaching reading and writing. Current methodologies and motivational strategies are taught. The student learns how to effectively use his or her content area text book; assign, organize, and evaluate written work; develop positive student attitudes toward reading and writing as lifetime skills.

**ED 385 Observation and Case Studies of Learners** 3 CH
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 386 Early Childhood Literature** 3 CH
Examines developmentally appropriate literature which fosters growth in reading skill and interest, and supports interdisciplinary learning.

**ED 387 Children’s Literature in Elementary Grades** 3 CH
Examines a variety of children’s literature to cultivate student interest in books and to develop methods for incorporating literature into classroom experiences.

**ED 388 Middle School Literature** 3 CH
Examines developmentally appropriate literature which fosters growth in reading skill and interest, and supports interdisciplinary learning.

**ED 390 Student Teaching: Early Childhood Pre-Kindergarten-Grade 3** 6 CH
**ED 391 Student Teaching: Elementary School** 6 CH
**ED 393 Student Teaching: Middle School** 6 CH

†Core Course
ED 395 Student Teaching: Secondary School  6 CH
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 CH
Directed individual study of an approved specific problem or special topic not covered by, or that goes beyond the scope of, regular course offerings. Approval of faculty chairperson required.

English (EN)

NOTE: Students must complete the Sacred Heart University English Placement Exam before they are allowed to register for English courses. Placement is based on a combination of high school GPAs, decile, rank, and SAT scores, as well as on the three-part English Placement 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—Reading and Writing  3 CH
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 Test 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 CH
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 CH
Introduces the student to rhetorical strategies, the rhetorical triangle, critical reading, 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 Test required. Students must pass this course with a C or better and must pass an exit exam.

EN 012 Rhetoric: The Research Paper  3 CH
Refines rhetorical skills developed in EN 011, and introduces the student to the techniques—summary, paraphrase, quotation, etc.—involved in writing a

†Core Course
research paper on a controversial topic. Develops field, library, and online 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/HN 091–092 English Honors Seminar 3 CH Each
This Freshman honors seminar combines the studies of oral and written English. Emphasis on expository writing and the discussion and synthesis of themes and concerns fundamental to suggested supplementary readings. EN 091 explores the total oral communication process (source, messages channel, receiver) through instruction and practice in individual self-expression as well as interpersonal activity sessions. By permission of the department only.

EN 092 is a continuation of EN 091. The seminar studies the research process and culminates in a long research project. The oral component is also continued and the student is provided with practice in oral interpretation of literature as well as group communication situations. By permission of the department only. Upon successfully completing EN 091 and EN 092, the CA 021 requirement is waived.

EN 101 Approaches to Literature 3 CH
An introduction to the experience of literature: fiction, poetry, and drama. Introduces critical techniques; familiarizes students with critical and technical vocabulary; introduces a broad spectrum of critical approaches; requires written work; and introduces research tools specific to literature. Prerequisite: EN 011.

EN 170–179 Studies in Writing: Special Topics 3 CH
A series of courses designed to meet the multitude of writing needs demonstrated by students in a variety of majors. Courses include writing of poetry, short story, fiction, non-fiction, freelance writing, corporate writing, journalism, etc. Advanced-level courses are offered under EN 370–379. Prerequisite: EN 012.

EN 170 Journal Writing 3 CH
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 which stress description, narration, exposition, and the editing process. Prerequisite: EN 012.

EN 175 Introduction to Creative Writing 3 CH
Introduction to writing in three major forms of fiction: poetry, the short story, and drama. 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 CH
Designed for general electives at the Sophomore level. Description varies each time it is offered. Prerequisite: EN 101.

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

EN/MS 211–311 News Writing and Reporting 3 CH Each
An introduction to basic news writing and journalistic reporting principles. Concepts of journalism provide a format for analysis of the news media and responsibilities of a journalist in today’s society. Workshop sessions attempt to utilize the concepts in practical work. Prerequisites for EN/MS 211: MS 101 and EN 012; prerequisite for EN/MS 311: EN/MS 211.

†EN 230–239 Studies in Drama: Special Topics 3 CH
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: American Writing 3 CH
From Plymouth Rock and Salem streets to the Catskill Mountains, American creativity burgeoned as it was released from narrow religious bonds. A study of the witch trials gives insight into early New England culture which often nursed superstition while denying creative output. A study of native American Indian literature reveals another important aspect of our literary tradition. Prerequisite: EN 101.

†EN 255 Early American Black Literature 3 CH
A consideration of 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 CH
During the nineteenth century American writers threw off the chains of European dependency and sought to develop an original, authentic American voice reflective of the unique experience in what many thought of as "The Promised Land." This course focuses on a wide variety of these writers, emphasizing the New England transcendentalists. Prerequisite: EN 101.

†EN 257 From Dickinson to Eliot: Out of the Woods and into the Wasteland 3 CH
A study of writers from Dickinson to Eliot reveals much about the emergence of characteristically American styles and concerns. Defines problems caused by the exhaustion of our frontier and the emergence of the modern world, a world which, influenced by the first global war, produced the writers of the wasteland, the "lost generation." Prerequisite: EN 101.

†Core Course
†EN 258 From Faulkner to the Present 3 CH
Modern American literature in content and technique reflects twentieth-century preoccupation with the loss of faith in an omniscient creator and the rise of individual consciousness, each a creator and center of a world isolated from all other worlds. Current developments in American literature indicate that authors have begun to devise myriad, often amusing ways to overcome the dilemma of radical alienation. Prerequisite: EN 101.

†EN 265 Shakespeare 3 CH
Explores a wide variety of Shakespeare's plays from a literary as well as a theatrical perspective, emphasizing the development of Shakespeare as a dramatist while relating his plays to their historical and cultural context in Elizabethan England. Prerequisite: EN 101.

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

EN 299 Special Topics in English 3 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

†Core Course

†EN 310 British Literature to 1603 3 CH
A historical and chronological study of major works of British poetry and prose, beginning with Old English and Beowulf, through the literature of the Middle Ages with special emphasis on Chaucer, and on Elizabethan poets such as Wyatt, Surrey, Sidney, Raleigh, and Shakespeare. Some drama, exclusive of Shakespeare, is included. Prerequisite: EN 101.

†EN 312 Seventeenth-Century British Literature 3 CH
As writer Douglas Bush notes, at the beginning of this time period English writers have one foot in the medieval world, but by the end, they have one foot set in the modern world. This course concentrates on the works of Jonson, Donne, Herbert, Marvell, some of the lesser 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 Literature 3 CH
The English Civil War influenced this period's literature, which reflected the desire to hold society together by manners, the power of reason, and balance. It was also the age of great satire and the stirrings of what later became "Romanticism." 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 CH
Romanticism is a difficult word to define; but most critics agree that the literature written during and immediately after the French Revolution and England's ensuing war with France reflects a profound revolution in thought about the relationship between the individual and political, social, and the logical and philosophical environments.

†EN 315 The Victorian Period in British Literature 3 CH
Explores the literature of Tennyson, Browning, Arnold, Dickens, Eliot, Newman, Ruskin, Pater, Swinburne, and others. Focuses on major writers of the period (1830–1901) and their selected but representative texts. Beginning with the poetry and continuing with the prose, the course concludes with studies in the Victorian novel. Prerequisite: EN 101.

†EN 316 Twentieth-Century British Literature 3 CH
Discusses the concept of modernism as it is shaped and constructed in the modern classic texts of Conrad, Woolf, Yeats, Joyce, Lawrence, and others. The impact of World Wars I and II and other significant events is examined. Prerequisite: EN 101.

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

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

†Core Course

EN 370–379 Studies in Writing: Special Topics 3 CH
A series of courses designed to meet the multitude of advanced writing needs demonstrated by students in a variety of majors. Courses include writing of poetry, short stories, fiction, non-fiction, freelance writing, corporate writing, journalism, etc. Prerequisite: EN 012 or permission of instructor.

EN/MS 370 Newspaper Publication 3 CH
An introduction to newspaper publication, providing editing and publication practice. Emphasis on copy selection, copy editing, story placement, headline writing, use of art, page layout, copy fitting, and use of style-books. 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 CH
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 CH
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 CH
A consideration of black writers from Dunbar and Chesnutt to the present. Study of Harlem Renaissance writers, 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 CH
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. This course does not satisfy the literature elective component in the English major.

EN 388 Young Adult Literature 3 CH
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. Prerequisite: EN 101.

EN 390 Studies in Literary Criticism: Special Topics 3 CH
Course description varies. Prerequisite: EN 101.

EN 391 British Literature Seminar 3 CH
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 CH
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 CH
Open to qualified Seniors by invitation of the department of English. Course enables the student to synthesize his or her understanding of English and American literature through the study of selected problems in literature and literary criticism.

EN 399 Independent Study 1–3 CH
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 (ES)

ES 011–012 English as a Foreign Language I, II 6 CH Each
The basic level in English as a Foreign Language, these courses concentrate on grammar and syntax, vocabulary, idiomatic usage of English, correct spelling, a mastery of the English sentence, development of the paragraph and essay, oral, and aural skills. Intensive lab work to supplement classroom work is required.

ES 051 English as a Foreign Language III 6 CH
The intermediate level in English as a Foreign Language, this course provides intensive instruction to strengthen the student’s reading and writing skills. The

†Core Course
focus is to write the well-developed paragraph and essay with stress placed on the appropriate elements of grammar, syntax, vocabulary development, and strategies for reading college-level texts. Oral and aural skills are emphasized. Intensive lab work to supplement classroom work is required.

**ES 052 English as a Foreign Language IV**

The high-intermediate level in English as a Foreign Language, this course focuses on writing the well-developed essay while stressing the appropriate elements of grammar, syntax, and vocabulary development. The American pattern of thought as evidenced in writing is emphasized. Strategies for reading college-level texts are taught. Lab work to enhance classroom learning is required.

**Finance (FN)**

**FN 215 Financial Management** 3 CH

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 CH

Analysis of 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 interrelations among these markets. Prerequisites: EC 201 and FN 215.

**FN 251 Corporate Finance** 3 CH


**FN 299 Special Topics in Finance** 3 CH

Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

**FN 314 Financial Analysis** 3 CH

Develops the student's 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 the student's ability lies in the preparation of an analysis of annual report of a major, publicly held corporation. Prerequisite: AC 202 or FN 215.

**FN 315 Investments** 3 CH

An introduction to different types of securities investments available to the institutional and private investor. The
student learns to evaluate individual securities by applying risk analysis, as well as fundamental and technical research. Topics include common and preferred stock investments, bond investments, commodities and financial futures, mutual funds, real estate, and pension funds. Prerequisite: FN 215.

FN 316 International Financial Management 3 CH
Applications of principles of financial management to the decisions of corporations with international operations. Topics include sources and uses of funds in multinational operations, impact of different exchange rates, taxation systems and inflation rates on financial decisions, project evaluation, and interaction among various national financial markets. Prerequisites: FN 215 and EC 202.

FN 317 Portfolio Management 3 CH
Examines price behavior of securities 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. Prerequisite: FN 315.

FN 318 Current Problems in Finance 3 CH
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 department. Prerequisite: FN 215 or departmental permission.

FN 319 Financial Risk Management: Futures, Options, and Swaps 3 CH
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. Prerequisite: FN 315; completion of FN 241 is suggested, but not required.

FN 386 Japan: The Economic and Financial System 3 CH
An examination of 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 CH
This course is 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.
French (FR)

†FR 011–012 First Year French I, II 4 CH Each
Intensive laboratory practice to implement classroom work. Emphasis on building communicative competence and oral proficiency. All four skill areas covered: reading, writing, listening, and speaking. An appreciation of French and Francophone cultures is an integral part of the course. Intensive laboratory practice to implement classroom work.

†FR 051–052 Intermediate French I, II 3 CH Each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of structure, reading short works, vocabulary building, composition, listening comprehension, and conversation. French and Francophone cultures as reflected in literature and daily life is examined. Laboratory practice. Prerequisite: FR 012 or equivalent.

†FR 101–102 French Composition and Grammar I, II 3 CH Each
More complex grammar, enrichment of vocabulary, improvement of proficiency in speaking, reading, writing, and translating based on literary and cultural texts. Prerequisite: FR 052 or equivalent.

†FR 111–112 Conversational French I, II 3 CH Each
An integrated study of French as it is spoken today. Multi-media activities. Varied oral activities including: debates, presentations, skits, etc. Readings to generate discussion and some writing practice are required. Prerequisite: FR 052 or equivalent.

†FR 215–216 French Readings and Discussion I, II 3 CH Each
Designed to improve reading ability and oral expression through selected readings on French and Francophone culture and civilization, as well as readings by French and Francophone authors, followed by discussions and written reports. Additional readings from French newspapers and magazines are encouraged to suit individual interests. Prerequisite: FR 101-102 or equivalent or permission of instructor.

†FR 251–252 Introduction to Literature in French 3 CH Each
A survey of representative literary texts from the Middle Ages to the present. This covers both canonical and lesser known works, and draws on several literary genres — 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 the readings and to individual interests. Oral and written reports required. Taught in French. Prerequisite: FR 101–102 or equivalent, or permission of instructor.

FR 280 French Civilization and Culture 3 CH
Promotes understanding of the history and culture of the French people from their origins to the present day with emphasis on the 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 CH
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 399 Independent Study 1–3 CH
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 students in French on the basis of a written prospectus. By special arrangement.

Freshman Seminar (FS)
FS 101 Freshman Seminar 1 CH
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.

German (GE)
†GE 011–012 First Year German I, II 4 CH 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.

Global Studies (GS)
GS 101 Introduction to Global Studies 3 CH
This course introduces students to important trends in the global community and provides tools to analyze those trends. Subjects include: population, the environment, trade and development policies, human rights, migration of individuals and groups, and national and collective security.

GS 150 World Geography 3 CH
Introduces students to physical, cultural, political, and economic geography. Continental drift and plate tectonics, climate, erosion, and other forces shaping the Earth are studied with emphasis on how these physical changes impact human activity. The cultural component examines the spatial distribution and relationships of populations, their cultures, and use of natural resources. Political and economic geography cover various theories and patterns with examples from around the globe. Map study is an integral part of the course.

GS 250 African Geography South of the Sahara 3 CH
This course examines Africa's physical features which resulted from Africa's position in the center of the pre-historic super-continent, Gondwana, to the continuing changes occurring along East Africa's Rift Valley. Africa's complex pattern of human culture, migration and settlement is studied, including the impact of European and Asian traders and colonizers.

†Core Course
GS 251 European Geography  3 CH
Europe’s physical features from the Urals and Alps to its great rivers and the links they provide to the sea are explored. Europe’s cultural and economic geography is examined with emphasis on the outward pressures which resulted in European political colonization of much of the world. Europe, as the birthplace of the Industrial Revolution, continues to influence the culture and physical geography of other regions. Tendencies for integration, the European Union, disintegration, and ethnic conflict are also considered.

GS 254 The Geography of the Middle East and North Africa  3 CH
Three continents, and many peoples have mixed for centuries at this crossroads of competing and mingling cultures. The physical resources of the region are considered, especially conflict over water resources and the impact of oil. The birthplace of Judaism, Christianity, and Islam, the region’s rich culture is studied as is its long-standing strategic importance to the entire global community.

GS 255 Central and South American Geography  3 CH
The Andes Mountains and the Amazon rain forest dominate the South American continent. The origin and continuing impact of these physical features are studied. Human activities from the ancient Mayan and Incan civilizations to the impact of the European conquest are covered, including slash-and-burn agriculture, single-crop economies, clearing of the rain forests, fishing, and mining.

GS 257 The Geography of the Western Pacific Rim and South Asia  3 CH
Beginning with plate tectonics, fertile river valleys and plains, and volcanic action, this course introduces the physical geography of Asia. Cultural movements, especially the collision of Hindu, Buddhist, Muslim, Confucian, and Taoist thought and practices, are studied. Population pressures and policy are examined as is the recent rapid economic development of the region.

GS 301 Senior Seminar  3 CH
The Senior Seminar is the capstone course for Global Studies majors. It provides students with the opportunity to deepen their knowledge in their regional specialization while putting that region into context of larger global developments. Students write a thesis which incorporates both primary and secondary research.

History (HI)

HI 101 Civilizations  3 CH
This course 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 CH
A survey of American development from the period of exploration to the conclusion of the Civil War. Major
themes include the development of colonial society, the American Revolution and emergence of distinctive nationhood, nineteenth-century expansion and economic growth, slavery, and the War for the Union.

‡HI 122 United States History Since 1865 3 CH
An analysis of the period of Reconstruction: industrial expansion, transportation, agriculture, labor, and finance. This course also examines the place of the United States among nations, World War I, the Depression, New Deal, World War II, and post-war to the present.

‡HI/BU 128 History of American Business Enterprise 3 CH
Examines the growth and development of business enterprise in America from colonial times to the present. Topics include role of the entrepreneur, evolution of business specialization, rise of the corporate form and of “big” business, notable innovations in management and marketing, interplay of business enterprise, and other aspects of American society.

‡HI 129 History of Sports in America 3 CH
Examines the development of major spectator sports in America from their fragmentary, localized beginnings to their highly organized and enormously powerful present condition. The world of sports is treated not in a vacuum, but rather in relation to important social, economic, and cultural trends that have influenced American history.

‡HI 184 Japan’s Economic Miracle: The Economic History of Japan from 1945 to the Present 3 CH
Traces Japan’s economic development from 1945 to the present with emphasis on the evolution of modern Japanese business methods. Attention is given to the interactions of traditional Japanese values and practices with specific management strategies and the overall business environment in order to discern the relative contributions of each to the success of Japanese free enterprise.

‡HI 201 Historical Method and Criticism 3 CH
An introduction to the history of historical thinking and writing and to the contemporary field of historical methods and theories, as well as to research tools and skills necessary for the study of history and writing of papers and essays.

‡HI 210 Survey of Latin American History 3 CH
Traces the major events in the history of Latin America beginning with the discovery of America. Topics include Indian and Spanish historical backgrounds and cultures, colonial institutions, the Wars of Independence, twentieth-century revolutions, liberation theology, and U.S.—Latin American relations.

‡HI 211 Discovery and Conquest, 1492–1598 3 CH
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 CH
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 214 French Revolution and Napoleon 3 CH
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 215 Europe, 1815–1914 3 CH
European history from the aftermath of the Congress of Vienna to the opening days of the First World War is thoroughly examined. Topics include the growth of the “isms,” industrialization, colonial expansion and rivalries, and social change in nineteenth-century Europe.

HI 216 Princes to Peasants 3 CH
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 217 Twentieth-Century Europe 3 CH
Explores the tensions and changes within Europe from the beginning of the twentieth century to the present day. Topics include the challenges of two major world wars, the struggle for democracy between 1919 and 1939, and the rise of new political ideologies.

HI 225 African-American History 3 CH
A study of the heritage of African-Americans, the forced migration of African multitudes to America, condition and nature of their servitude, development of abolitionism culminating in emancipation, twilight zone of freedom, growth of civil rights and black power movements, and an analysis of the psychic and cultural implications of racism.

HI 228 The Immigrant Experience 3 CH
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 CH
A study of the rise of Islam and the emergence of the Arabs as a world power. Discussion focuses on the achievements of Muhammad, institution of the caliphate, Umayyad, and Abbasid empires, Crusades, and decline of Arab influence in the Near East under the pressure of Turkish expansion.

Core Course
†HI 238 The Modern Arab World 3 CH
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 CH
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 CH
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 255 Absolutism and Enlightenment 3 CH
Presents an explanation of the rise and practice of "Divine Right" monarchies in Europe in the seventeenth and eighteenth centuries by concentrating on such figures as Louis XIV and Frederick II. Investigates how Old Regime Europe was intellectually challenged by the Enlightenment in the persons of such thinkers as Voltaire, Montesquieu, and Rousseau.

†HI 274 Contemporary America, 1929 to the Present 3 CH
Discusses the effects of the Depression and the initial response to it: the nature, achievements, and shortcomings of the New Deal; the United States in world affairs from isolation to global involvement; the political, social, and economic evolution of American life since World War II.

†HI 275 The Worker in American Life 3 CH
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 CH
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 CH
An overview of the history of China and Japan from pre-historic times to the late traditional period (approximately 1800). Intended to enhance the student's appreciation of the uniqueness of these two ancient civilizations.

†HI 282 East Asia in the Modern World 3 CH
Traces the history of China and Japan from approximately 1800 to the present. Special attention given to each nation's struggle for modern development in response to pressures from the West.

†HI 283 The History of Modern China 3 CH
Examines the history of modern China from approximately 1800 to the present emphasizing the decay of traditional
culture, the impact of the West, and the triumph of communism.

†HI 284 The History of Modern Japan 3 CH
A survey of Japanese history from 1800 to 1945. Topics include decline and fall of Japanese feudalism and subsequent drive for modern economic development, rise of militarism, and consequences of Japan’s thrust for domination of East Asia.

†HI 285 China in Revolution 3 CH
Presents the history of the Chinese Communist movement from its origins in the 1920s to the present. Topics include the foundations of the Chinese Communist Party, its struggle to develop a successful revolutionary strategy, and its efforts to transform China into a modern socialist state.

†HI 287 The Holocaust 3 CH
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. Several films and a death camp survivor augment lectures, readings, and discussions.

†HI 296 Patterns of Revolution 3 CH
A study of the preconditions and circumstances that affected both the theory and the development of “revolution.” Explores the reasons for revolt and the forms revolution may take beginning with the peasant insurrections of the late medieval period to twentieth-century revolutions in the Third World and the former U.S.S.R.

HI 299 Special Topics in History 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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, 1945–1975 3 CH
A survey of the war in Vietnam from the point of view of both the American and Vietnamese sides. Attention given to the colonial origins of the conflict in Indochina, strategies of American and North Vietnamese decision makers, causes of the American defeat, and impact of the war on the Vietnamese community and American military personnel.

†HI 322 U.S. Foreign Policy 3 CH
Evolution and expansion of American foreign policy, its ideas and conduct, from the Revolutionary period to the present. Analyzes the aims of foreign policy, influences which have shaped it, and its impact on the nation’s domestic politics.

HI 391 Internship Program 3–6 CH
Offers qualified students the opportunity of supervised field experience, in an area allied with their own interests. Internships are arranged in advance of the semester they are to be taken, and only with permission of the instructor.
HI 398 Senior Seminar 3 CH
The student is exposed to the experience of researching, writing, and defending a major historical project. Permits the student 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 CH
Directed study of a specific, well-defined topic, by special arrangement with an instructor and with the prior approval of the department chairperson.

Honors (HN)
EN/HN 091–092 English Honors Seminar 3 CH Each
(See cross listing under English courses)
A year-long freshman seminar emphasizing the development of oral and written communication skills with focus on a particular theme.

†HN 201–202 Honors Seminar in Humanities 3 CH Each
A year-long seminar focusing on special themes in the Humanities.

†HN 203 Honors Seminar in the Social Sciences 3 CH
A semester-long seminar focusing on a topic or issue in the social/behavioral sciences.

†HN 204 Honors Seminar in the Natural Sciences 3 CH
A semester-long seminar focusing on a topic or issue in the natural/physical sciences.

HN 301 Honors Seminar in Religious Studies/Philosophy 3 CH
A semester-long seminar focusing on a topic/issue in religious studies or philosophy.

HN 399 Independent Study 3 CH
A semester-long independent study project in the student’s major. Requires permission of department chairperson and the director of the Honors program.

Human Resources (HR)
HR 207 Management of Human Resources 3 CH
Explores the basic personnel processes involved in the procurement, development, and maintenance of the organizational human resource, selection, training, motivation, remuneration, and relations with unions. Prerequisite: BU 201.

HR 210 Human Resource Management: The Sports Environment 3 CH
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 CH
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’ Com-
Compensation, job health, and safety. Emphasis on compensation and benefit plans. Instruction is through case study and analysis of pre-prepared employment documents.

**HR 299 Special Topics in Human Resources** 3 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

**HR 309 Problems in Managing Human Resources** 3 CH
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 CH
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.

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**International Business (IB)**

**IB/BU 203 Intercultural Management** 3 CH
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 persons with different cultural backgrounds, and culture changes not only from country to country, but even from region to region. Students will come to understand these differences and to learn not to rely on their self-reference criterion. Prerequisites: BU 201 and BU 202.

**IB/BU 233 International Business Law** 3 CH
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.

**IB/MK 264 International Marketing** 3 CH
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.

†Core Course
IB/BU 278 Principles of International Business 3 CH
Survey of 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.

IB 299 Special Topics in International Business 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

IB/BU 302 Ethics and International Business Policy 3 CH
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 CH
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 will give presentations in oral and written form. Guest speakers from the business community augment the course. Prerequisite: Senior standing.

Italian (IT)

†IT 011–012 First Year Italian I, II 4 CH Each
Intended for students who have no previous education in Italian. Emphasis on building communicative competence and oral proficiency. All four skill areas covered: reading, writing, listening, and speaking. An appreciation of Italian culture is an integral part of the course. Intensive laboratory practice to implement classroom work.

†IT 051–052 Intermediate Italian I, II 3 CH Each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of structure, reading 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 101–102 Italian Composition and Grammar I, II 3 CH Each
More complex grammar, enrichment of vocabulary, and improvement of proficiency in speaking, reading, writing, and translating based on literary and cul-
Metallic texts. Prerequisite: IT 052 or equivalent.

**ITALIAN (IT)**

†IT 111–112 Conversational Italian I, II 3 CH Each
An integrated study of Italian as it is spoken today. Multi-media activities. Varied oral activities including: debates, presentations, skits, etc. Readings to generate discussion and some writing practice are required. Prerequisite: IT 052 or permission of instructor.

†IT 215–216 Italian Readings and Discussion I, II 3 CH Each
Designed to improve reading and oral expression through selected readings on Italian culture and civilization, as well as readings by Italian authors, followed by discussions and written reports. Additional readings from Italian newspapers and magazines are encouraged to suit individual interests. Prerequisite: IT 101-102 or equivalent, or permission of instructor.

†IT 251–252 Introduction to Literature in Italian 3 CH Each
A survey of representative literary texts from the Middle Ages to the present. This course covers both canonical and lesser known works, and draws on several literary genres — novels, plays, poetry, essays, letters, and other writings. Critical techniques are introduced. Italian cultures are discussed in relation to the readings and to individual interests. Oral and written reports required. Taught in Italian. Prerequisite: IT 101-102 or equivalent, or permission of instructor.

IT 280 Italian Civilization and Culture 3 CH
Promotes understanding of the history and culture of the Italian people from their origins to the present day with an 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 399 Independent Study 1–3 CH**
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 students in Italian on the basis of a written prospectus. By special arrangement.

**JAPANESE (JP)**

†JP 011–012 Elementary Japanese I, II 3 CH Each
An introduction to modern Japanese. Pronunciation drill, grammar, and conversation practice with an introduction to the hiragana and katakana writing system.

JP 051–052 Intermediate Japanese I, II 3 CH Each
Continued emphasis on communicative competence and oral proficiency. Review and intensified study of structure, reading of short works, vocabulary building, composition, listening comprehension, and conversion. Japanese culture as reflected in literature and daily life is examined. Prerequisite: JP 012 or equivalent.

**LEGAL ASSISTANT (LW)**

LW 101 Criminal Law and Torts 3 CH
Survey of 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. Course must be taken in conjunction with LW 121.

**LW 102 Contracts and Uniform Commercial Code** 3 CH
General survey of contract law, definitions and classifications of contracts, capacity of parties, legal effect of offer, acceptance, and consideration. Focuses on Uniform Commercial Code—definition; Article 2 of the Code—sales; Article 3—commercial paper; Article 4—bank deposits and collections (negotiable instruments); and Article 9—secured transactions. Course must be taken in conjunction with LW 122.

**LW 121 Legal Research I** 3 CH
Introduction to the study of law which acquaints the student 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. Each student is required to submit a written abstract and legal memoranda on problems involving questions of substantive law procedure and legal ethics. Course must be taken in conjunction with LW 101.

**LW 122 Legal Research II/ Writing** 3 CH
Gives the paralegal a working knowledge of the Connecticut Rules of Practice and Procedure. Emphasis on learning to draft pleadings, motions, memorandum of law, and appellate briefs. The Code of Professional Responsibility is examined through class discussion and hypothetical examples. Course must be taken in conjunction with LW 102.

**LW 161 Legal Office Procedures** 3 CH
Study of the workflow in a law office. Responsibilities in handling written communications and maintaining files, preparation of court documents, law office accounting, billing, and forms. Discussion of legal ethics. An internship may be taken as an alternative with special permission of the program director.

**LW 201 Business Organizations and Domestic Relations** 3 CH
General overview of the law of business organizations: formation, operation, and dissolution of partnerships, corporations, and limited partnerships with emphasis on practical application of this body of knowledge in the law office. The principles of agency law are also covered. Domestic relations: marriage, dissolution of marriage, separation agreements, custody, alimony, and child support are studied.

**LW 202 Property and Conveyancing** 3 CH
Introduction to the law of real and personal property, nature of property, possession and its consequences, acquisition of property, and transfer. A study of 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.

†Core Course
LW 203 Estates, Probate, and Taxation  3 CH
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.

LW 232 Commercial Real Estate Law  3 CH
Traces the process of commercial real estate transactions, including the principles behind, and documentation of, sales and acquisitions, financing, project development and construction and the impact on real estate transactions of environmental law, workouts, foreclosures, and bankruptcies. Prerequisite: LW 202.

LW 234/PO 351/CJ 200 Constitutional Law  3 CH
An inquiry into 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 CH
An explanation and analysis of the rules of evidence. Examines recent U.S. Supreme Court decisions concerning the rights of the citizen against unreasonable search and seizure and the rules for giving testimony and the protecting and safeguarding of evidence. Prerequisite: CJ 101.

LW/HR 236 Employer/Employee Law  3 CH
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 preprepared employment documents.

LW 237/CJ 210 Family Law  3 CH
Explores the legal entanglements in which people find themselves and the rights of middle- and low-income groups. Topics include support obligations, legal positions of married women, abuse of women and children, legal disability of minors, dissolution of marriage, alimony, support and custody procedures, separation agreements, and adoption. Prerequisites: LW 101 and Sophomore standing.

LW 238 Litigation and Civil Procedures  3 CH
Discusses the differences between civil and criminal litigation, courts and their jurisdiction, substantive law, investigation of facts, commencement of lawsuit, and preparation of pleadings and motions. Also discovery, preservation of facts and preparation for trial, decisions and settlement, post-trial motions and appeals, techniques of legal research, file maintenance, and docket control. Prerequisite: Sophomore standing.

LW 239/CJ 211 Women and the Law  3 CH
Traces the development of sex discrimination as legal and social phenomenon. The law is covered in terms of its historical perspective. Emphasis on the developments of the 1960s and 1970s with respect to constitution law, employment and employee benefits, edu-

†Core Course
cation, criminal law, family law, and reproductive freedom (contraception, abortion, and sterilization).

LW 240 Intellectual Property Law 3 CH
Laws governing patents, copyrights, and trademarks are introduced. Discusses the difference between each form of protection of these special "property" laws which provide protection 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 232.

LW 242 Environmental Law 3 CH
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 and Procedures 3 CH
A survey and study of concepts in administrative law, including judicial review rules and discretionary rule making, hearings, and informal actions.

LW/PH 253 Philosophy of Law 3 CH
An inquiry into 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/MK 296 Marketing/Consumer Law 3 CH
An overview of marketing and consumer law. Discusses contract law and the law of sales (Article 2 of the Uniform Commercial Code) as well as sales practices, product liability, pricing, consumer credit, patents, copyrights, and trademarks.

LW 299 Special Topics in Law 3 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

LW/PO 321 Public Administration 3 CH
Survey of administrative theories and skills for those entering the public sector. Presents theories of public organizations, their legal and political framework, unions, planning, budgeting, communication, leadership, and other skills.

LW/PO 325 Politics, Law, and Judicial Behavior 3 CH
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.

†Core Course
LW/PO/CJ 352 The First Amendment 3 CH
Examines U.S. Supreme Court cases involving the freedom of religion, speech, press, assembly, and petition. Attention given to the balance between liberty and an ordered society. Case-work is supplemented with debates on a variety of issues involving civil liberties.

Marketing (MK)

MK 261 Principles of Marketing 3 CH
The basic course in investigating 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 CH
An analysis of advertising from the managerial viewpoint of its relationship within the marketing mix. 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 CH
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. Retail mathematics including markup, markdown, and turnover. Prerequisite: MK 261.

MK/IB 264 International Marketing 3 CH
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 265 Sports Marketing 3 CH
Explores issues in the sales, promotion, production, and marketing of professional sports franchises, sport-related programs and facilities, and other sports-related materials and services. Prerequisite: BU 201 or BU 206.

MK 266 Consumer Motivation 3 CH
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. The consumer is examined 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 non-retail levels. Prerequisite: MK 261.

MK/LW 296 Marketing/Consumer Law 3 CH
An overview of 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 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

MK 361 Marketing Management 3 CH
A broad study of 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 CH
Principal areas and methods of marketing research are explored 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 CH
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.

Mathematics (MT)

MT 005 Basic Mathematics 3 CH
Presents fundamental concepts of arithmetic, including whole numbers, fractions, and decimals. Algebraic concepts include signed numbers, evaluating expressions, polynomials, linear equations, and graphs. Does not carry degree credit. Meets four hours per week which includes a one-hour lab. A grade of C or better is required to advance to MT 050 and/or MT 080. Prerequisite: Math Placement Test.

MT 006 Basic Algebra 3 CH
Presents the real number system, exponents and radicals, polynomials, rational expressions, linear and quadratic functions and their graphs. Does not carry degree credit. Meets four hours per week which includes a one-hour lab. A grade of C or better is required to advance to MT 050 and/or MT 080. Prerequisite: Math Placement Test.

†MT 050 Modern College Mathematics I 3 CH
Presents set theory, logic, systems of numeration, the real number system, finite mathematical systems, algebraic concepts, and linear equations and inequalities. Prerequisite: C or better in MT 005 or Math Placement Test.

†Core Course
†MT 060 Modern College Mathematics II 3 CH
Presents systems of equations and inequalities, probability, introductory statistics, and basic financial mathematics. Prerequisite: MT 050.

†MT 070 Discrete Mathematics 3 CH
Designed for Computer Science majors. Topics include function algorithms, graphs and trees, formal logic, and matrix algebra. Prerequisite: C or better in MT 006 or Math Placement Test.

†MT 071 Quantitative Methods 3 CH
Examines a range of analytical modeling techniques useful in decision making in the system design environment. Linear programming queuing models and inventory models are covered. Prerequisite: MT 070.

†MT 080 Mathematics for Decision Making 3 CH
Designed specifically for the Business major. This course presents inequalities, linear functions, matrices, systems of equations, probability, and linear programming. Prerequisite: C or better in MT 006 or Math Placement Test.

†MT 090 Probability and Statistics 3 CH
Introduction to the theory of probability and elementary statistics. Topics include important discrete distributions; sampling theory of large and small samples; estimating population mean and proportion; and testing hypotheses.

†MT 092 Statistics for Decision Making 3 CH
Emphasizes the use of computer software for the analysis of data and the performance of statistical tests. Prerequisite: MT 050 or permission of the department.

†MT 100 Precalculus 4 CH
Designed for the prospective Mathematics or Computer Science major without the proper background to take MT 151. Topics include set theory, symbolic logic, the algebra of functions; polynomial and rational functions, exponential and logarithmic functions, and analytical trigonometry. Prerequisite: Math Placement Test.

†MT 110 Calculus for Decision Making 3 CH
Designed specifically for the Business major. This course presents limits, differentiation, integration, and applications of the calculus. Prerequisite: MT 080.

†MT 151 Introductory Calculus 4 CH
First course in the Mathematics major sequence. Topics include differential and integral calculus of the elementary functions with associated analytic geometry; limits and approximation; techniques and applications of differentiation; integration, and area. Prerequisite: C or better in MT 100.

†MT 152 Mathematical Analysis I 4 CH
A continuation of MT 151. Topics include limits of functions, implicit and inverse functions, methods of integration, and limits of sequences; applications of integration, improper integrals, power series, parametric representation, and polar coordinates. Prerequisite: C or better in MT 151.
MT 251 Mathematical Analysis II  4 CH
A continuation of MT 152. Introduces three-dimensional analytic geometry, multivariable calculus, real valued functions of several variables, limits and continuity in $E^n$, partial derivatives, multiple integration, definition of the integral, its existence and interpretations, linear differential equations with constant coefficients, systems of differential equations, the Laplace Transform, and special problems. Prerequisite: C or better in MT 152.

MT 252 Advanced Multivariable Calculus  3 CH
Presents mappings from $E^n$ to $E^n$, continuity, Jacobian’s chain rule for differentiation and integrals along curves. Other topics include line and surface integrals (also in terms of vectors); vector calculus; theorems of Gauss, Green, and Stokes; and the space of continuous functions. Prerequisites: MT 251 and MT 261.

MT 261 Linear Algebra  4 CH
Presents sets and mappings, fields and other algebraic structures, vector spaces and subspaces, inner product spaces, systems of linear equations, matrix theory, determinants, linear inequalities, and convex sets. Other topics include linear mappings, matrices, quadratic forms, and eigenvalues. Prerequisite: C or better in MT 151.

MT 262 Abstract Algebra  3 CH
Topics include algebraic systems; group theory, subgroups, cyclic groups, and basic theorems; quotient structure, isomorphism theorems, ring theory, and ideals; integral domains; prime fields and characteristics. Prerequisites: MT 152 and MT 261.

MT 267 Geometry  3 CH
Designed especially for secondary teachers, this course presents a thorough and exact treatment of Euclidean geometry. Topics include incidence and separation properties of planes and space; the theory of groups applied to transformations in the plane and in space, particularly isometrics and similarities; inversion in a circle and in a sphere. Prerequisite: MT 151.

MT 291 Mathematical Probability and Statistics I  3 CH
Presents probability, random variables and their distributions, and stochastic processes. Other topics include statistical inference, estimation, regression, and analysis of variance. Prerequisite: MT 251.

MT 292 Mathematical Probability and Statistics II  3 CH
A continuation of MT 291. Prerequisite: MT 291.

MT 299 Special Topics in Mathematics  3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

†Core Course
MT 351 Real Analysis 3 CH
Presents the real numbers, cardinality, metric spaces, subspaces, convergence, Euclidean spaces, and topology. Other topics include continuity, differentiability, spaces of continuous functions; Lebesgue measure and integration; and Fourier series. Prerequisite: MT 252.

MT 352 Complex Analysis 3 CH
Presents the algebra and geometry of complex numbers, metric spaces, analytic functions, integration, and Taylor and Laurent series. Other topics include contour integration, analytic continuation, conformal mappings, boundary value problems, and integral transforms. Prerequisite: MT 351.

Media Studies (MS)

†MS 101 Introduction to Media Studies 3 CH
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 CH Each
The first course is an introduction to the historical development of filmmaking, highlighting the evolution of the film as a means of expression. Sample 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 covers 1945 to the present. Extensive screen-

†Core Course

MS 200 Mass Media: Special Subjects 3 CH
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 CH
Kinetics is 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, the 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 3 CH
An introduction to basic news writing and journalistic reporting principles. Concepts of journalism provide a format for an analysis of the news media and 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; prerequisite for MS/EN 311: MS/EN 211.
MS 212–312 Radio Production I, II 3 CH 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 CH
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 CH 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 CH Each
First semester is an introduction to the fundamentals of color slide photography. Topics include camera care and handling, visual literacy, composition, the nature of light, color, portraiture, and experimental photography. Second semester is built around black-and-white film development and printing and requires a three-hour lab in addition to classes. Critical discussions on the photography of major artists supplements the practical work. A 35mm camera with manual operative is required. Prerequisite: MS 101.

MS/BU 222 Sports Communications 3 CH
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.

MS 283 History of Documentary Still Photography 3 CH
Presents the history of documentary still photography from its beginning in the 1840s through the present. Focus is on analyzing the photographs themselves 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 CH
Most forms of mass media encountered in society are made for commercial purposes. Television programs, for example, with the qualified exception of public TV, are produced to attract the widest audience for their sponsors, whose fees allow the television company to make a profit.

†Core Course
But there are other forms of media which are made for noncommercial reasons. Documentaries, for example, often have social, political, scientific, or other goals. Less often encountered are films, videotapes, and other works made purely for artistic or aesthetic purposes. This course explores these “nonmainstream” media to understand their content, form, and the role they play in our culture.

**MS 294 Magazine Publication 3 CH**
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 CH**
Designed to analyze and to criticize constructively the process and the product of electronic journalism. Topics include the history of both radio and TV journalism, the social implications of news coverage, techniques, and the economic foundations of contemporary electronic journalism. At the discretion of the instructor, a production component may be included. Prerequisite: MS 101.

**MS 297 Public Relations: An Overview 3 CH**
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 CH**
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 non-profit sectors present actual case problems and their solutions.

**MS 299 Special Topics in Media Studies 3 CH**
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

**†MS 301 Reading Seminar in Mass Communications 3 CH**
An interdisciplinary study of contemporary theories of mass communications. Course presents an overview of the impact of mass communications by considering them as codes, symbolic systems, and manipulative powers on both the conscious and unconscious levels. Reading, writing, discussion, and research are required. Prerequisite: MS 101.

**MS 313 Television Studio Production 3 CH**
An introduction to multi-camera studio production. Prerequisite: MS 213.

†Core Course
MS 317 Single-Camera Directing 3 CH
Advanced course in single-camera video production. Each student will direct an original fiction or non-fiction work and provide technical support on classmates' projects. Prerequisites: MS 213 and MS 333 or permission of the instructor.

MS 333 Scriptwriting 3 CH
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 CH
An introduction to newspaper publication, providing editing and publications practice. Emphasis on copy selection, copy editing, story placement, headline writing, use of art, page layout, copy fitting, and use of stylebooks. In addition, issues affecting newspaper production are discussed including libel, production economics, and legal restrictions such as copyright and First Amendment rights. Prerequisite: MS/EN 211 or permission of instructor.

MS 381 Images of Women in Film 3 CH
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: 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 CH
Examines the cinematic experiences of "third world" peoples, concentrating on the filmmaking and videomaking institutions of several different cultures (e.g., Senegal, Brazil, Cuba, India, and/or the Black workshop movement in Great Britain). The course explores the history of production, distribution, and reception in each of the film cultures; 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 CH
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 CH
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.

†Core Course
Readings, screenings, and written reports required.

**MS 390 Television Genres**  
3 CH  
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 which 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 CH  
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 CH  
A study of particular film forms, including the western, the gangster film, science fiction, the horror film, comedy, and others. 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 CH  
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 is chosen for study.

**MS 395 Media Practicum**  
1–3 CH  
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 CH  
An opportunity for qualified upper division Media Studies majors to gain practical experience at area media/communications companies such as radio/television stations, cable companies, newspapers, magazines, and public relations firms.

**MS 397 Senior Project**  
3 CH  
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 CH  
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.

†Core Course
Medical Technology (ME)

ME 154 Introduction to Medical Technology 1 CH
A one-semester course dealing with different aspects of medical technology. Introduces the student to various areas of medical technology (i.e., hematology, clinical microscopy, etc.) and to what a medical technologist does. Proper interviewing techniques and résumé writing are included. Only for Medical Technology students.

The following courses are taken at the hospital:

ME 301 Clinical Microbiology 8 CH
Includes the isolation and identification of clinically significant pathogenic bacteria from all types of clinical specimens. Topics include parasitology, virology, and mycology. Correlations of laboratory findings to disease states are emphasized.

ME 302 Blood Banking 3 CH
Introduction to human blood groups, compatibility testing, component therapy, and their relation to transfusion. Emphasis on problem solving.

ME 310 Hematology 5 CH
Comprehensive study of the principles, procedures, special techniques, and disease states of the cellular components of the blood. Includes hemostasis.

ME 315 Clinical Microscopy 1 CH
Principles of the diagnostic procedures for urine, spinal fluids, feces, gastric contents, and other body fluids.

ME 325 Clinical Chemistry 8 CH
Manual and automated biochemical analysis of body fluids in health and disease and the clinical applications of test results.

ME 330 Immunology and Serology 3 CH
A study of the immune response in health and disease and the use of current techniques for the determination of antigen-antibody reactions.

ME 340 Special Topics in Medical Technology 2 CH
Investigation of a special medical technology and/or related topic.

Military Science (MI)

MI 131 Introduction to ROTC 1 CH
Introduces the student to the structure of the U.S. Army. Emphasis on the organization of the army and on civilian control of the military. Examines the role of the citizen soldier in the nation’s defense, the historical development of the customs and traditions of the army, and civilian and military concerns about the volunteer army. Semester ends with a tactical practical exercise. Class meets once a week. Laboratory is required.

MI 132 Basic Military Skills 1 CH
An overview of the U.S. defense establishment from the Department of Defense through the President. Course provides basic first-aid training and orientation on the rights and responsibilities of a soldier. Squad-level tactics also are covered. Battle analyses are conducted using historical battles. Class meets once a week. Laboratory is required.

MI 143 Leadership Techniques 1 CH
An introduction to styles of leadership and management. Map reading, land

†Core Course
navigation, and the principles of war are covered. Semester culminates in a practical exercise involving the tactical employment of military units. Laboratory is required. Class meets once a week.

**MI 144 Individual and Small Unit Skills**  
1 CH  
Covers individual and small unit tactics. Students develop and apply leadership and management skills within the context of realistic simulations. Military operations and patrol orders are presented. Historical battles are analyzed. Laboratory is required. Class meets once a week.

**MI 350 Military Leadership and Methods of Instruction**  
2 CH  
A study of leadership principles, techniques, and the responsibilities of command. Advanced map reading and military instruction techniques are studied and lesson plan preparation and class presentations are discussed. Factors affecting the leadership process are examined. Three class hours per week. Physical training mandatory. Laboratory and field training exercises required.

**MI 351 Dynamics of Small Unit Tactics and Branches of the Army**  
2 CH  
A study of basic tactics and the integration of all branches of the army in order to accomplish required missions. Emphasis on performance-oriented training. Three class hours per week. Physical training mandatory. Laboratory and field training exercises required.

**MI 352 Army Staff Organization**  
2 CH  
An analysis of staff functions including administration, logistics, military intelligence, and management. Provides orientation on military intelligence and management, military law, and the role of the officer in legal matters. Examines perspectives of defense. Three class hours per week. Physical training mandatory. Laboratory and field training exercises required.

**MI 353 Responsibilities of the Army Officer**  
2 CH  
A study of the officer's responsibilities including military correspondence, professionalism and ethics, and military law. Evaluates the constitutional basis for military law, and the administration of military justice. Three class hours per week. Laboratory and field training exercises required.

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**Music (MU)**

**†MU 102 History of Jazz**  
3 CH  
A survey of jazz styles from African sources to the present.

**†MU 111 Music in Western Civilization**  
3 CH  
An introductory study of musical style, content, and function as shaped by the culture of the age in which the music was created.

**†MU 112 Music in America**  
3 CH  
A study of U.S. music by genre, including folk, popular, jazz, and fine art. Emphasis on cultural context and aural analysis.

**†MU 121 Musicianship I**  
3 CH  
Music notation and reading. Construction and function of scales, intervals
and triads, correlated ear training, sight signing, keyboard, and creative exercises.

†MU 122 Musicianship II 3 CH
Harmony, including seventh and ninth chords, nonharmonic tones, and modulation. Advanced ear training, keyboard harmony, and analysis. Prerequisite: MU 121.

MU 130–139 Applied Music 1–2 CH
Private or group applied music courses may be repeated for credit. A maximum of 6 credits may be counted toward a degree.

MU 131 Private Lessons 1 CH
Private instruction in selected instruments or voice. One half-hour lesson per week. Level 1 fee required.

MU 132 Private Lessons 2 CH
Private instruction in selected instruments or voice. One hour lesson per week. Level 2 fee required.

MU 133 Chorus 1 CH
Mixed chorus open to all students, performing a variety of styles with emphasis on contemporary music.

MU 134 Chamber Orchestra 1 CH
Admission by audition to performers on woodwind, brass, or string instruments.

MU 135 Ensemble 1 CH
Ad hoc ensembles formed according to student interest. Admission by audition.

MU 136 Concert Band 1 CH
Admission by audition to performers on woodwind, brass, and percussion instruments.

†Core Course

MU 299 Topics in Music 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

Nursing (NU)

NU 200 Foundations of Professional Nursing 3 CH
This course is designed as a bridge course to the Nursing major and as a forum to facilitate comparison between the scope of practice of the RN and the Baccalaureate nurse. Exploration of the selected conceptual frameworks of nursing and their relationship to the nursing process. Role behaviors of the Baccalaureate practitioner are analyzed and applied.

NU 205 Clinical Nursing Concepts 3 CH
This course introduces the student to the professional roles of the nurse. Students develop beginning critical skills relevant to the discipline of nursing. The student acquires foundational knowledge and skills to care for individuals throughout the lifespan. The role of nursing theory relevant to the discipline is discussed. Students are introduced to the concepts of health and illness through the spectrum of health promotion and illness prevention, health maintenance, and
health restoration. The focus of health is emphasized in the presentation of selected functional health patterns. Concepts of safety, advocacy, and professional accountability as they relate to the provision of nursing care are introduced. Guided laboratory experiences in the learning resource center and the clinical laboratory assist the student to gain beginning proficiency in essential nursing knowledge, skills, and attitudes.

**NU 210 Power, Politics, and the Profession** 3 CH

This course increases the student’s ability to utilize political action in affecting change within the health care delivery systems. A study of politics, policy making and lobbying prepares the student to analyze national, state, and local health care systems. The student will develop strategies to influence political bodies considering action which will directly impact the delivery of health care.

**NU 215 Health Assessment** 3 CH

Health assessment parameters (e.g., interviewing, history taking, physical examination, and functional assessment) are emphasized in this course. The student will formulate nursing diagnoses based on the North American Nursing Diagnosis Association Nomenclature. The Nursing Laboratory will be used to facilitate proficiency in health assessment skills. Course content focuses on the roles of the nurse in comprehensive health assessment and diagnosis. Adequate data collection and careful analysis for diagnostic and planning purposes are stressed.

**NU 220 Women’s Health** 3 CH

This undergraduate readings seminar focuses on views of and by women from historical and ideological perspectives. Beginning with a historical overview of the needs of women surrounding health and illness, discussions evolve into an analysis of current feminist issues that impact the wellness of women throughout the life cycle. Students explore the various options for health care that are available to women. Special emphasis is placed on contemporary feminist issues.

**NU 225 Pharmacology and Nutritional Therapies** 3 CH

This course introduces basic pharmacologic and nutritional concepts used to promote, maintain, and restore the health status of individuals throughout the lifespan. Course content focuses on the pharmacodynamics and the pharmacotherapeutics of a broad range of drugs and the biologic and psychosocial role of nutrients and diet in health and illness. The role of the nurse in the assessment, management, and evaluation of these therapies is stressed. Issues of legal and professional accountability are addressed as they pertain to the administration of medications and the implementation of nutritional modalities. Laboratory practice focuses on the development of medication administration skills and the teaching skills necessary for medication and nutritional therapies.

**NU 240 Computer Applications in Health Care** 3 CH

Provides an overview of computer applications in nursing and health care. Emphasis is placed on basic concepts of
computer technology, information processing, and hands-on experience using the computer. Applications include aspects of patient care, education, research, administration, and clinical practices using computer-assisted instruction, interactive video, data bases, spreadsheets, word processing, and information systems.

**NU 241 AIDS and Addictions 3 CH**
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. HIV/AIDS is presented using an epidemiological approach to the development of both health education and treatment modalities. Topics include discussion of ethical issues and community resources. The course encourages development of self-awareness in the respective professional role.

**NU 243 Cultural Issues in Health Care Delivery 3 CH**
This course 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. Several models for assessment of culture and culturally related health beliefs are discussed. Guest presenters from several cultures and religions share their respective beliefs on health, illness, cure, and care.

**NU 245 Special Topics in Nursing Leadership 3 CH**
This course 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. The underlying theme of the course is to enhance professional self-confidence for achieving recognition and success in nursing. Students develop strategies for using the principles on an ongoing basis and for empowering others in the organization. Organizational designs for enhancing creativity and innovation are explored.

**NU 260 Adult Nursing I 6 CH**
(Theory 3 CH, Clinical 3 CH)
This is the first of two adult nursing courses. It explores the four roles of the nurse in relation to functional-dysfunctional health responses of individuals with common health problems. Course content emphasizes the nursing roles in health promotion, health prevention, and health maintenance. Classroom and clinical learning experience emphasize integration of knowledge from prior course work. Consistent with the organizing framework of the Nursing program, this course incorporates aspects of critical thinking into classroom and clinical learning experiences. Students have the opportunity to provide nursing care to clients with common health problems from young adulthood to adolescence.
content focuses on the common health problems of the client population, including problems of metabolism, cellular integrity, sensation and perception, and reproductive and urinary disorders.

**NU 275 Working with Groups 3 CH**
This course introduces the student 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 CH**
Prepares nursing students to incorporate research, its purpose, methods, and outcomes, into the practice of professional nursing. The course reviews quantitative and qualitative methodology. Additional content areas are the ethical, historical, and political/policy agendas that influence research. The course builds on the student's understanding of basic statistics and baccalaureate role behaviors.

**NU 299 Special Topics in Nursing 3 CH**
Designated new or occasional course that may or may not become part of the department's permanent course offering: courses capitalizing on a timely topic, a faculty member's particular interest, an experimental alternative to existing courses, etc. 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.

**NU 300 Adult Nursing II 6 CH**
(Theory 3 CH, Clinical 3 CH)
This is the second course in the two-course sequence on adult nursing. This course continues to explore the roles of the nurse in relation to the individual's responses involving crises, adaptation, and long-term health management within the context of family and community support systems. Emphasizes the nursing roles in relation to health maintenance and restoration of health. Classroom and clinical experiences facilitate the integration of knowledge from prior course work. Students utilize the elements of critical thinking to provide nursing care to clients from young adulthood to adolescence with complex dysfunctional health responses. Course content includes complex dysfunctional responses such as fluid and electrolyte imbalance, oxygenation imbalances, cellular growth, and proliferation disorders, and cognitive, perceptual, and coordination dysfunction.

**NU 320 Advanced Nursing Process I 3 CH**
Utilizing the conceptual framework of the Nursing program, this course focuses on comprehensive health assessment. Adequate data collection and careful analysis for diagnostic and planning purposes are stressed. The student uses the diagnostic reasoning process to formulate nursing diagnoses based on the North American Nursing Diagnosis Association Nomenclature. The nursing laboratory is used.
NU 330 Family and Child Nursing 6 CH (Theory 3 CH, Clinical 3 CH)
Focuses on the application of critical thinking to care for individuals and families during childbearing and childrearing experiences. Utilizing content from the humanities and the biological and social sciences, this course explores the four roles of the nurse in relation to issues, concepts, and trends in health promotion and maintenance. Care of well-defined health problems, and care of high-risk and complex problems along the lifespan 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 are provided in a variety of structured settings.

NU 340 Nursing Practice Internship 3 CH
This course focuses on the continued development of the roles of the nurse with emphasis on the role of manager of care. The internship is designed to assist the student to develop proficiency in the critical thinking skills necessary to provide care to individuals and families experiencing complex health problems. Clinical laboratory and structured pre- and post-conferences provide the forum to assist the student to gain proficiency in the provision of care to a number of clients.

NU 345 Psychiatric–Mental Health Nursing 3 CH
This course introduces the student to the roles of the nurse in health promotion and prevention, health maintenance, and health restoration for individuals and families with commonly occurring mental health disorders. Course content stresses the interpersonal process, nurse self-understanding, and the biology of mental health. Commonly occurring mental health disorders such as addictive behaviors, personality disorders, schizophrenia, and mood disorders are presented. The content presentation addresses the elements of critical thinking in relation to the provision of care to clients throughout the lifespan with mental health needs.

NU 350 Advanced Nursing Process II 6 CH (Theory 3 CH, Clinical 3 CH)
This course is designed to increase the student’s critical thinking ability for advanced nursing practice. Building on the assessment and diagnostic phases of the nursing process, the student plans, implements, and evaluates nursing care for individuals throughout the lifespan. The course stresses teaching and learning, research-based intervention, and evaluation of patient care using a quality assurance/improvement model. Classroom and clinical experiences provide opportunities to apply theory to practice.

NU 360 Leadership and Management 3 CH
This course stresses the decision-making and leadership functions of the professional nurse. Building on the role function content of the nurse as provider and manager of care introduced earlier in the curriculum, this course stresses effective leadership and administrative skills as well as evaluation of

†Core Course
nursing care through the lens of a quality assurance/improvement model. Emphasis is placed on the use of the elements of critical thinking to effect change in the care of individuals, families, and communities and the health-care delivery system.

**NU 380 Family and Community Health** 6 CH
(Theory 3 CH, Clinical 3 CH)
This course focuses on the family and community as consumers of health services. The scope of community health nursing practice includes the individual, family, and community, and is based on knowledge from nursing, public health, and the social and behavioral sciences. The different perspectives sensitivities, and application of knowledge unique to nursing of families and the community are identified. The effectiveness of nursing practice is explored in relation to the problems, priorities, attitudes, culture, and resources of the individual, family, and community.

**NU 390 Senior Nursing Practicum** 6 CH
This course provides the student with a capstone experience in nursing which summarizes and expands the knowledge and experience from the entire undergraduate curriculum. The course content includes issues and trends and nursing theories associated with nursing practice and stresses the analysis of nursing roles within the complex health care environment. The clinical laboratory provides the opportunity to design and implement a collaborative project to effect change in a structured setting.

**Philosophy (PH)**

†**PH 101 Introduction to the Problems of Philosophy** 3 CH
Philosophy is defined for the beginning student through an exploration of the branches of philosophy and their respective problems.

†**PH 211 Logic** 3 CH
Introduction to logical symbolism and its applications, including the sentential and predicate calculus (with quantifications) and propositional function. Prerequisite: PH 101.

†**PH 212 The Art of Making Sense: Practical Logic** 3 CH
Emphasizes the practice of logical analysis in classroom exercises. Course focuses on how to make ideas clear, how to reason correctly, and how to evaluate evidence used to substantiate a truth claim. Prerequisite: PH 101.

†**PH 221 Historical Survey of Philosophy I** 3 CH
A study of the origin and growth of Western philosophy using the original writings of several philosophers from the ancient and medieval periods. Includes a general consideration of the importance of the history of philosophy for modern life. Prerequisite: PH 101.

†**PH 225 Philosophy of Plato** 3 CH
Analyzes the question of what it means to be philosophical through an exploration of selected Platonic dialogues. Through an examination of poetry, knowledge, speech, and love, the nature of the philosophical life is discussed. Prerequisite: PH 101.

†Core Course
†PH 231 Philosophy of Knowledge 3 CH
A study of the conditions that make knowledge possible and the criteria of truth and falsity. Prerequisite: PH 101.

†PH 241 Medieval Philosophy 3 CH
A study of the main thinkers of the Latin Middle Ages showing their origins in Greek philosophy and the Biblical worldview. Special attention given to the nominalist, neo-Platonist, and Scholastic traditions. Prerequisite: PH 101.

†PH 250 Historical Survey of Philosophy II 3 CH
Focusing on texts from selected modern and recent thinkers, this course traces the development of Western philosophical thought from the birth of modern science to the twentieth century. Prerequisite: PH 101.

†PH 251 Ethics 3 CH
An introductory study of the problems, language, and reasoning appropriate to the inquiry into the nature of morality. Prerequisite: PH 101.

†PH 253 Philosophy of Law 3 CH
An inquiry into the philosophical foundations of the law in terms of social, political, economic, theological, and ethical considerations. The nature, sources, purposes, and methods of the law are explored. Prerequisite: PH 101.

†PH 255 Political Philosophy 3 CH
Addresses the perennial question of political philosophy—whether or not men and women can know and find the best political regime—in order to shed light on the nature of modern political systems. Issues discussed include the difference between ancient and modern political theory, the relation of philosophy to politics, and the influence of technological thinking on political systems. Prerequisite: PH 101.

†PH 256 The Philosophy of Technology 3 CH
Analyzes critically some representative views of the social role of technology. In doing so it addresses two fundamental questions: What are the nature and extent of technology’s impact on social institutions and individual lives? And, to what degree is this impact beneficial and to what degree harmful? Prerequisite: PH 101.

†PH 257 Philosophical Anthropology 3 CH
Deals with philosophical reflections on the nature and meaning of “man,” especially in contemporary philosophy such as existentialism and Marxism. The philosophical writings of Martin Buber and Max Scheler on the nature of man are be studied. Prerequisite: PH 101.

†PH 271 Introduction to Metaphysics 3 CH
Examines the questions of metaphysics as formulated in representative thinkers from the ancient to the contemporary periods. The course is historical in format, and deals primarily with the Western philosophical tradition. Prerequisite: PH 101.

†PH 283 The Philosophy of God 3 CH
A study of the continuous search for grounding the belief in a transcendent being: God. Investigates the facts and the arguments used throughout history to prove the reality and the nature of a
supreme being. Counter arguments are also considered. Prerequisite PH 101.

PH 299 Special Topics in Philosophy 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

†PH 306 Existentialism 3 CH

†PH 312 Philosophical Foundations of Marxism 3 CH
A study of the philosophical development of the young Karl Marx, from his flirtation with Hegel to Feuerbach, to his own historical perspective. Prerequisite: PH 101.

†PH 322 American Philosophy and Culture 3 CH

†PH 382 Problems in Contemporary Philosophy 3 CH
Topics, which are selected by the instructor, may include war and peace, near death studies, the contemporary philosophical novel, new directions in American philosophy, or the crisis in contemporary professional ethics. Prerequisite PH 101.

†PH 383 The Philosophy of St. Thomas Aquinas 3 CH
A survey of the Summa Theologica of St. Thomas highlighting his discussions of God, human knowledge, virtue, and the Incarnation and his synthesis of Greek philosophy and Biblical cosmology. Prerequisite: PH 101.

PH 399 Independent Study 1-3 CH
For students who wish to pursue an area of study for which no course is presently provided. The student must find an instructor competent in his or her proposed topic and secure the permission of the chairperson and the dean. Prerequisite: PH 101.

Physics (PY)

†PY 015 Physics in Daily Life 4 CH
An elementary physics course designed for nonscience majors. Stresses application of physics to daily life. Specific topics include astronomy, clear energy, earth science, satellites, medical applications, and physics in design structures ranging from bridges to tires. Three hours of lecture and two hours of laboratory per week.

†PY 090 Basic Astronomy 3 CH
An introductory course in descriptive astronomy for nonscience majors. Surveys the universe briefly and focuses on
the solar system and recent space explorations. Three hours of lecture. Observations of the sky and/or visit(s) to planetarium.

†PY 100 Elements of Physics 4 CH
An introductory, noncalculus course, incorporating basic laws of motion and energy, properties of matter including the gaseous state, principles of electricity, magnetism, electromagnetic radiation, and properties and principles of nuclear radiation. Designed for students in Medical Technology and related fields. Two 75-minute lectures and one two-hour laboratory per week.

†PY 111 General Physics I 4 CH
Discusses vectors, forces, uniformly accelerated motion, linear and angular motion, work and energy, momentum, rotation, mechanical and thermal properties of matter, the gas laws, temperature, and heat transfer. Two 75-minute lectures and one two-hour laboratory per week. Prerequisite: MT 060 or equivalent.

†PY 112 General Physics II 4 CH
A continuation of PY 111. Topics include vibrations and wave motion, sound, electricity, and magnetism; reflection, refraction, interface, and diffraction of light; lenses and mirrors, and optical devices. Two 75-minute lectures and one two-hour laboratory per week. Prerequisite: PY 111 or permission of the chairperson.

†PY 151 Principles of Physics I 4 CH
A calculus-based physics course covering the topics of mechanics, work, energy, thermal properties, and atomic structure. Two 75-minute lectures and one two-hour laboratory per week. Prerequisites: MT 151 and MT 152 or concurrent enrollment.

†PY 152 Principles of Physics II 4 CH
A continuation of PY 151 with emphasis on wave motion, sound, electricity, magnetism, and light. Two 75-minute lectures and one two-hour laboratory per week. Prerequisites: PY 151 and MT 152.

Polish (PL)

†PL 011-012 First Year Polish I, II 3 CH Each
Focuses on pronunciation of Polish sounds and fundamental principles of grammar. Training in reading, listening, speaking, and writing is provided. Some aspects of Polish culture are explored. Laboratory work reinforces pronunciation.

†PL 051-052 Intermediate Polish I, II 3 CH Each
An intensified study of language patterns, stressing the use of correct grammatical rules in conversation. Use of the language laboratory is continued and readings based on Poland are encouraged. Prerequisite: PL 012 or equivalent.

Political Science (PO)

†PO 121 Introduction to American Government 3 CH
Explores a variety of areas which 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 CH
Introduces the fundamental factors in analyzing and understanding international relations. Nature and evolution of the nation-state system, sovereignty, national interest, power, diplomacy, war, and adjustment of international conflict.

†PO 212 American State and Local Government 3 CH
The "subnational" level of American politics. Topics include the constitutional position of state governments, federal-state interaction, financing of state governments, models of state governments, and public policies. Special attention is given to the structure and dynamics of Connecticut government.

†PO 215 Political Parties 3 CH
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/LW 216 Congress and the Legislative Process 3 CH
Examines Congress, its constitutional powers, historical development, internal processes, and culture as well as external influences—executive branch, interest groups, public opinion, and elections.

†PO 217 The American Presidency 3 CH
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 CH
Explores the dimensions of presidential elections. Topics include political coalitions, campaign strategy, the role of media and money, conventions, and presidential debates. Problem-solving campaign workshops are periodically conducted within the classroom.

†PO 242 International Organizations 3 CH
Traces the origins, evolutions, structure, and functions of major global, regional, and supranational organizations with special attention focused on the League of Nations and the United Nations.

†PO 244 American Foreign Policy Since 1945 3 CH
Examines the major themes of American foreign policy since World War II—containment, deterrence, detente, use of force, and economic diplomacy—and also the changing bases of national power in a world increasingly characterized by vulnerability to nuclear war, economic danger, and regional instabilities, as well as energy, food, and resource dependencies.

†PO 285 Future Politics 3 CH
Examines the alternative futures facing America and mankind as well as the scientific and technological, environmental, social, economic, and political components which describe and drive them.
PO 299 Special Topics in Political Science 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

†PO 301 Development of Ancient and Medieval Political Theory 3 CH
Examines the political views of the early philosophers from ancient Greece to the Middle Ages, Plato, Aristotle, and later development of classical political thought through selected works of Roman and medieval theorists.

†PO 302 Development of Modern Political Theory 3 CH
Explores the 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 CH
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 Political Profiles 3 CH
A study of the emergence, personality, and impact of major twentieth-century political figures.

†PO 311 Comparative Western European Politics 3 CH
A comparative analysis of the governments and politics of France, Germany, and the United Kingdom. Similarities and differences are explored with respect to the patterns of political culture, political behavior, and political institutions.

†PO 312 Russia: Reform, Reaction, or Revolution 3 CH
This course introduces students to Russian political culture and structures including their continuities and discontinuities. The Russians have experienced one of the great social and political revolutions of this century. The impact of disintegration of the last multicultural empire and the current attempt to reshape Russian political structures are examined.

†PO 313 Central and Eastern European Politics 3 CH
Central Europe has been fought over and controlled by many empires—the Russian, the Holy Roman, the Austro-Hungarian, and the Ottoman. Beneath the maneuvering of empires, is a rich and varied cultural and political tradition. This course examines the political systems of Poland, Hungary, and the Czech Republic as they reshape themselves after throwing off the forced political and economic integration of the Soviet period and voluntarily move toward greater political and economic integration with the European Union.

†Core Course
†PO 314 Middle East Politics 3 CH
Explores the problems and prospects of the Middle East focusing on the culture, intrusion of the West, Islam, forces for stability and change, as well as the role of the Middle East in world affairs. Contemporary issues are discussed.

†PO 315 Latin American Politics 3 CH
This course introduces students to the political culture and structures of Latin America. By examining the political systems of several states, students explore the factors which have lead to political instability in this region, to discontinuity between formal and informal political structures, and to new efforts to establish democratic government.

†PO 317 African Politics 3 CH
This course examines the impact of the colonial experience on political structures and the dynamics of political behavior in Africa today. Explores issues such as conflict management, external interference, and development in general.

PO/LW 321 Public Administration 3 CH
A survey of administrative theories and skills for those entering the public sector. Theories of public organizations, their legal and political framework, unions, planning, budgeting, communication, leadership, and other skills are addressed.

†PO 322 American Public Policy 3 CH
An analysis of government policies and programs, generally at the national level. Evaluates public needs, options for government response, role of experts, impact of political and social forces and their outcomes. Examines certain policy areas in welfare, education, crime, energy, and others.

†PO 323 Leadership in Organizations 3 CH
Focuses on the role of leadership in public and private organizations. The course is set up as a seminar, utilizing both readings and papers as well as workshops and simulations to enhance student skills in this vital area of career activity. Intended for non-Business majors.

†PO/LW 325 Politics, Law, and Judicial Behavior 3 CH
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 recruitments, and the powers and limitations of the judiciary.

PO 330 Computer-Simulated Foreign Policy: ICONS 3 CH
A simulation of the international political system. Student teams from the United States and around the world interactively conduct the foreign policy of actual nations via computer and the Internet.

†PO 341 International Law 3 CH
Traces the development of international law by reviewing principles and cases in major topical areas.

†PO 351/LW 234/CJ 200 Constitutional Law 3 CH
An inquiry into American constitutional law through the study of outstanding cases. Attention given to the devel-

†Core Course
opment of constitutional doctrines and the processes of legal reasoning.

**PO/LW/CJ 352 The First Amendment**
3 CH
Examines U.S. Supreme Court cases involving the freedom of religion, speech, press, assembly, and petition. Attention given to the balance between liberty and an ordered society. Casework is supplemented with debates regarding a variety of issues involving civil liberties.

**PO 391 Internship Program**
3–6 CH
Offers valuable field experience in public organizations, the mass media, and political campaigns as well as in municipal, county, state, and national government. Permission for an internship must be secured in advance.

**PO 395 Seminar in Political Science**
3 CH
Advanced study of a particular theme or selected topics in political science in a seminar setting. Open to Junior and Senior majors or by permission of the instructor.

**PO 399 Independent Study**
1–3 CH
Guided study of a topic that goes beyond normal course offerings under the direction of a member of the Political Science faculty. Approval of the director of the Political Science program required. By special arrangement.

**Production (PD)**

**PD 275 Principles of Production and Inventory Control**
3 CH
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, project management. Prerequisites: BU 201 and BU 241.

**Psychology (PS)**

**PS 101 General Psychology—Scientific Aspects**
3 CH
Introduction to psychology as the science of behavior, focusing on the individual as an adapting biological system. Topics include history and methodology, physiological basis for behavior, sensation, perception, learning, memory, and thought.

**PS 102 General Psychology—Psychodynamics**
3 CH
Topics include personality development and assessment, person perception, interpersonal attraction, conformity, and behavior disorders. Prerequisite: PS 101.

**PS 120 Drugs and Behavior**
3 CH
Examines the nature of drug use, legal and illegal, in contemporary society. Attention is on the behavioral and physiological effects of psychoactive substances, addictions, rehabilitation strategies, and ethical issues.

**PS 122 Sports Psychology**
3 CH
This course is designed to provide information and facilitate understanding in regard to individual sport behavior. The emphasis is 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 CH
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
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 CH
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 CH
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 CH
A description and demonstration of the tests and other diagnostic procedures used by psychologists in conducting an evaluation of children and adults in a school or private setting. Consideration given to what is looked for and how it is assessed in a psychological evaluation.

†PS 171 Psychology of Women 3 CH
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 191 Paranormal Psychology 3 CH
Considers a wide variety of "psychic phenomena," including ESP, spirit manifestation, possession, and spiritual healing. Discussions of supportive evidence and explanatory theories help the student develop a critical perspective that will assist in making informed judgments as to what is or is not believable.

†PS 195 Health Psychology 3 CH
Shows how psychological factors influence physical health and illness. Focuses on how attitudes and personality factors contribute to the maintenance and recovery of health, and to the development of diseases such as hypertension, coronary heart disease, and cancer. Coping mechanisms, stress management techniques, and behavioral change methods for health promotion and the treatment of illness also are considered. Prerequisite: PS 101.

†PS 211 Human Sexuality 3 CH
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 CH
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 CH
Focuses on the personality theories of Sigmund Freud, Carl Jung, Alfred Adler, Karen Horney, and transactional analysis. Prerequisite: PS 101 or permission of instructor.

†PS 242 Psychology of Personality II: The Existentialists 3 CH
Considers more recent approaches to personality, particularly the existential-humanistic perspective. Viewpoints of such thinkers as Sartre, Marcel, Buber, Maslow, Allport, Rogers, May, and Frankl are considered. Prerequisite: PS 101 or permission of instructor.

†PS 252 Child Development Psychology 3 CH
Traces biological, psychological, and social factors in child development from birth to prepuberty with emphasis on cognitive, emotional, and personal social functioning. Prerequisite: PS 101.

†Core Course

PS 260–269 Experimental Psychology 3 CH
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.

PS 261 Perception
PS 262 Learning
PS 263 Sensation
PS 264 Emotions
PS 265 Cognition
PS 266 Social Psychology
PS 267 Motivation
PS 269 Physiological

†PS 273 Adolescent Development 3 CH
An interdisciplinary study of development and behavior in adolescence with emphasis on various issues and problems as well as coping mechanisms for adolescents and adults.

†PS 274 Adult Development 3 CH
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.

†PS 285 Psychological Counseling I 3 CH
Examines the philosophy of counseling, fundamental principles, and the attitudes and techniques involved in a helping relationship. Several theories or approaches to counseling are presented. Prerequisite: PS 101.

PS 299 Special Topics in Psychology 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings:
courses capitalizing 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.

**PS 311 Abnormal Psychology** 3 CH  
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 CH  
 Presents further dimensions of the helping relationship and further theories and approaches to counseling. A major aspect of the course involves critiques of audiotapes of students' counseling efforts. Prerequisite: PS 285.

**PS 331 Psychological Tests and Measurements** 3 CH  
 Presents principles of test theory in psychology; validity, reliability, and standardization of tests; survey of representative types of tests and measurements. Prerequisite: PS 101.

**PS 351 Physiological Psychology** 3 CH  
 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 387 Systems and Theories of Psychology** 3 CH  
(formerly PS 292)  
A historical survey of theoretical formulations and systems in psychology. Evaluates structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis, and humanistic and cognitive orientation. Prerequisites: PS 101, PS 102, and Junior standing.

**PS 390–395 Psychological Research** 1–6 CH  
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 CH  
Bridges the gap between theory and practice. Supervised practice is set in area agencies, schools, and institutions. Workshops focus on career assessment, values clarification, supervision issues, and personal growth. Open to Junior and Senior Psychology majors and minors. Prerequisites: PS 101, PS 102, and one other psychology elective.

**Religious Studies (RS)**

Religious Studies courses with an asterisk (*) are open to both undergraduate and graduate students.

**RS 101 Introduction to the Study of Religion** 3 CH  
A critical and constructive study of the nature of religion, its functions in human life, and its various forms and manifestations.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RS 210*</td>
<td>Modern Biblical Criticism and the Gospels</td>
<td>3 CH</td>
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<tr>
<td></td>
<td>[An in-depth analysis of the development of</td>
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<td>modern biblical criticism and its impact on</td>
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<td></td>
<td>understanding the gospels of the New Testament.</td>
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<tr>
<td>RS 211*</td>
<td>Introduction to the Hebrew Bible</td>
<td>3 CH</td>
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<td></td>
<td>[Explores the development of the major traditions of the Hebrew Bible. Investigates the questions of the authorship of these traditions, why they were written, and what historical circumstances they were responding to. Prerequisite: RS 101.</td>
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<tr>
<td>RS 213*</td>
<td>Comparative Religion</td>
<td>3 CH</td>
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<tr>
<td>RS 214*</td>
<td>Introduction to Eastern Religions</td>
<td>3 CH</td>
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<tr>
<td></td>
<td>[This course explores the religious traditions of India, China, and Japan. Students are introduced to the beliefs, practices, and literature of these traditions. Prerequisite: RS 101.</td>
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<tr>
<td>RS 215*</td>
<td>Biography in World Religions</td>
<td>3 CH</td>
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<tr>
<td></td>
<td>[Biographical readings taken from the religious traditions of Christianity, Islam, Hinduism, and Buddhism which explore the concept of the sacred life and the definition of the holy person.</td>
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<tr>
<td>RS 219*</td>
<td>Women in World Religions</td>
<td>3 CH</td>
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<td></td>
<td>[Readings in works by and about women in the various religious traditions of the East and West as well as alternative forms of modern women's spirituality and the religious experiences of American women of color.</td>
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<tr>
<td>RS 223*</td>
<td>Paul</td>
<td>3 CH</td>
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<td>[Examines the life and letters of Paul, his understanding of man, the world, and the reality of God and His justice. Prerequisite: RS 101.</td>
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<tr>
<td>RS 224*</td>
<td>The Gospel of John</td>
<td>3 CH</td>
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<tr>
<td>RS 229*</td>
<td>The Historical Jesus</td>
<td>3 CH</td>
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<td>[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.</td>
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<tr>
<td>RS 230*</td>
<td>The Death and Resurrection of Jesus</td>
<td>3 CH</td>
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<tr>
<td></td>
<td>[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.</td>
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<tr>
<td>RS 232*</td>
<td>Contemporary Religious Thinkers</td>
<td>3 CH</td>
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<td>[Examines selected, representative writings of a specific religious thinker. In any given semester, the course will focus on the work of either an important theologian or a contemporary scholar of religion. Students should consult the course instructor for information concerning the topic for that semester. Prerequisite: RS 101.</td>
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<tr>
<td>RS 240*</td>
<td>Understanding Theology</td>
<td>3 CH</td>
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<td></td>
<td>[An introduction to the nature and role of theology. Investigates both academic</td>
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†Core Course
or “public” theology and confessional or church-centered theology.

†RS 241 History of Christian Ethics 3 CH
A survey of the most important thinkers and documents in the history of Christian ethical reflection.

†RS 243* The Development of Christian Thought 3 CH
A historical investigation of how the central doctrines of Christianity have developed from the first century until the end of the Middle Ages. Explores particular issues (the nature of Christ, the atonement) as well as particular figures (Origen, Augustine, Thomas Aquinas).

†RS 245* Contemporary Roman Catholic Thought 3 CH
A survey of the 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 CH
Addresses the development of a concept of God appropriate for modern life. The readings reflect various approaches to the God question and the student is asked to critically dialogue with both the lectures and the readings. Prerequisite: RS 101.

†RS 248* Contemporary Protestant Thought 3 CH
A survey of some of the most important Protestant theologians of the nineteenth and twentieth centuries, includ-

†RS 249 Contemporary Jewish Thought 3 CH
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 CH
An introduction to the ethical reflections of some of the most influential Christian thinkers from the Church Fathers to the present (e.g., Augustine, Thomas Aquinas, 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 CH
Examines selected moral problems that involve a significant conflict of values in our contemporary pluralistic society: sexual ethics, biomedical ethics (abortion, genetic engineering, behavior modification, euthanasia), revolution and violence, environmental quality, and population policy. Prerequisite: RS 101.

†RS 258* Issues in Religious Ethics 3 CH
A study of some of the more 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 CH
An investigation of various notions of symbol, myth, and ritual, as well as an
introduction to the use of symbols, myths and rituals in a wide variety of religious traditions. Prerequisite: RS 101.

 unlawer: Summer Institute 3 CH
Consult Religious Studies Department for course topics. Prerequisite: RS 101.

 unlawer: Problems in the Philosophy of Religion 3 CH
Presents some of the principal problems concerning the nature and justification of religious belief and experience from the viewpoints of philosophical analysis and religious existentialism. Prerequisite: RS 101.

 unlawer: Classics of Western Spirituality 3 CH
Examines the writings of one or more of the great spiritual masters of the Western religious traditions (e.g., John of the Cross, Theresa of Avila, Ignatius Loyola, Teilhard de Chardin, Martin Buber, Thomas Merton). Prerequisite: RS 101.

 unlawer: Religion, Business, and Society 3 CH
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.

 unlawer: Women Writers and the Religious Quest 3 CH
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.

 unlawer: Death 3 CH
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.

 unlawer: Religion, War, and Peace 3 CH
An examination of various attitudes toward war and peace embraced by Christian tradition and by other religions.

 unlawer: Religious Themes in Contemporary Fiction 3 CH
Explores the religious dimensions in the fiction of writers such as Cynthia Ozick, John Cheever, Toni Morrison, and Italo Calvino. Prerequisite: RS 101.

 unlawer: Film Seminar: Religion in Film 3 CH
Examines the “religious dimensions” of a wide range of films. The course considers both subject matter and style/techniques. Prerequisite: RS 101.

 unlawer: Elementary New Testament Greek 3 CH
Introduction to the nominal and verbal systems of Hellenistic Greek as a basis for reading the Greek New Testament. Prerequisite: RS 101.

 unlawer: Special Topics in Religion 3 CH
Designates new or occasional courses that may or may not become part of the department’s permanent offerings: courses capitalizing 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.

†RS 301 Roman Catholic Ecclesiology 3 CH
An investigation of Catholic thinking and teaching about the nature of the Church. Prerequisite: RS 101.

†RS 302 The Roman Catholic Sacraments 3 CH
Explores the history of the sacraments, the theology behind them, and their role in contemporary Catholic piety. Prerequisite: RS 101.

Respiratory Care (RC)

RC 110 Respiratory Care I 3 CH
Introduction to the anatomy and physiology of the respiratory system. Emphasis on the study of gas exchange, mechanics of breathing, control of ventilation and pulmonary clearance mechanisms. The laboratory portion includes an introduction to assessment and general care of the pulmonary patient. Prerequisites: BI 131, BI 132, and MT 050.

RC 115 Clinical Practice I 1 CH
A clinical/laboratory course designed to introduce the student to basic equipment and procedures used in the field of respiratory care. Corequisite: RC 120.

RC 120 Respiratory Care II 2 CH
An introduction to the concepts of medical gas physics and respiratory care gas administration systems. Medical gases, regulators, and oxygen delivery systems are discussed. Prerequisite: RC 110; corequisite: RC 115.

RC 150 Respiratory Care III 3 CH
In-depth explanation of the theory, function, and maintenance of devices used to provide routine respiratory care. Emphasis on airway management and pulmonary clearance modalities. Prerequisite: RC 120.

RC 160 Clinical Practice II 2 CH
A clinical/laboratory course incorporating basic therapeutic procedures and equipment used in delivering respiratory care to hospitalized patients. Prerequisites: RC 115 and RC 150; corequisite: RC 170.

RC 170 Respiratory Care Diagnostics 3 CH
A comprehensive study of 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 CH
An introduction 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 095 or permission of the instructor.

RC 220 Respiratory Care Pathophysiology 3 CH
A study of 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.

†Core Course
RC 230 Clinical Practice III 3 CH
A clinical/laboratory course designed to provide experience in all routine patient care modalities. In addition, the student is given an introduction to intensive care, anesthesia, physical medicine, and emergency room treatment. The student also spends 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 CH
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 CH
An in-depth study of blood flow through the cardiopulmonary system with emphasis on hemodynamic monitoring. The course 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 CH
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 the critically ill patient. The student is exposed to such specialty areas as newborn/pediatric intensive care, pulmonary rehabilitation, chronic care, home care, and the pulmonary function laboratory. 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-Aided Instruction (CAI), and other learning tools. Prerequisite: RC 230; corequisites: RC 250, RC 270, and RC 280.

RC 270 Newborn/Pediatric Respiratory Care 2 CH
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; corequisite: RC 260.

RC 280 Pulmonary Rehabilitation and Home Care 2 CH
An introduction to the study of current concepts and equipment used in home care and rehabilitation of patients with chronic pulmonary disorders. Prerequisite: RC 150; corequisite: RC 260.

Social Work (SW)

SW 101 Introduction to Social Work 3 CH
An introduction to social work as a problem-solving response to social problems, an understanding of the institutional context of social work practice, and an orientation to the values, knowledge,
and skills which underlie generalist social work practice. The first required course in the major, but open to all students. Prerequisite: SO 101.

SW 110 Human Relations: An Introduction to Helping 3 CH
Provides the theory and experience necessary to develop effective interpersonal skills. The material presented is useful to students in all fields of study who are interested in enhancing their interactional techniques for personal and professional use. Emphasis on such skills as listening, confrontation, problem-solving, and conflict management. Heightened self-awareness and the capacity to help others are stressed.

SW 130 Issues and Problems in the Life Cycle of the Family 3 CH
Provides an understanding of the family as a primary social system in society. The student examines the process of family development over its lifespan and explores the problems and challenges at each stage of development. Cultural diversity, interactional patterns between parents and children, and techniques of family problem-solving are also covered.

SW 131 Meeting the Needs of the Elderly 3 CH
Explores the problems of older adults in America and how their needs can be met within the family and social service system. Topics include biological, psychological, economic, and social problems; specific needs such as health, mental health, financial security, and housing; special needs of ethnic and racial minorities, women, and rural elderly; and resources for addressing such needs.

SW 150 Child Sexual Abuse: Myths and Realities 3 CH
Examines the problem of child sexual abuse in American society from the historical, legal, moral, and treatment perspectives. Introduces the various aspects of sexual abuse including preconditions for sexual assault; the general characteristics of victims and perpetrators; and the short- and long-term effects on survivors of child sexual abuse. The student learns to recognize the indicators of sexual abuse, to formulate assessments, and to plan for intervention. The student is expected to examine his or her own values, attitudes, and preconceived notions about sexual abuse.

SW 265 Social Welfare as a Social Institution 3 CH
An introduction to the social welfare institution, the value base and ethical components of policy, and the impact of social, economic, and political forces on social welfare. Emphasis on the organizational context of the social service delivery system, knowledge of social welfare resources, the network of social agencies, and the contribution of social work as a profession. Prerequisite: SW 101.

SW 266 Social Welfare Policy and Services 3 CH
Examines how social policy is formulated and implemented and analyzes program and practice inadequacies. The problem-solving method to identify policy reform options is presented. Examines inequalities and inequities in social welfare policy that express

†Core Course
institutional discrimination such as racism, sexism, homophobia, and age­
ism. Prerequisites: SO 254, SW 265, and PO 121.

SW 267 Human Behavior and
the Social Environment I 3 CH
An introduction to the development of
personality structure as an adaptive
mechanism which emerges in the
process of interchange between the
human organism and its environment.
Emphasis on stages of the life cycle,
and on the biological, psychological,
socioeconomic, and cultural influences
on development; understanding of
human diversity; and identification and
assessment of situations in which
people need help. Prerequisites: BI 010
or BI 030, PS 101, and SW 101.

SW 268 Human Behavior and
the Social Environment II 3 CH
Continuation of the study of human
diversity and development through
interaction with social systems. Empha­
sis on family, group, community, and
organizational systems and their impact
on human development and behavior;
assessment of groups, families, com­
munities, and organizations. Explores
the resources and problems in social
systems and their influences on the
individual. Prerequisite: SW 267.

SW 275 Social Work
Practice I 3 CH
An introduction to the generalist model
of social work practice designed to
provide knowledge of social work prac­
tice, a structural analysis of its pur­
poses, functions, values, and task/skill
components. Using systems theory,
social work practice is analyzed as a
planned change and problem-solving
process. Data collection and analysis,
assessment, goal setting, intervention,
and other skills are taught. Prereq­
isites: Junior standing and SW 101.

SW 278 Junior Field
Practicum 4 CH
Intermediate-Level Social Work majors
(Juniors) are assigned two days per
week to a human service agency where
field instructors offer professional super­
vision. The Junior Practicum is designed
to help the student learn how to enter a
social agency as a professional social
worker, to make contact with clients,
and to link clients with resources within
and outside the agency. Prerequisites:
SW 265, SW 267, SW 275, and depart­
mental evaluation for admission to Inter­
mediate Major status. Corequisite:
SW 279.

SW 279 Junior Field
Practicum Seminar 2 CH
Taken concurrently with SW 278, this
course facilitates, reinforces, and sup­
ports learning in the Field Practicum.
Guides the student in the process of
directing his or her own learning, and
assists in the early professional social­
ization of the student. Corequisite:
SW 278.

SW 299 Special Topics in
Social Work 3 CH
Designates new or occasional courses
that may or may not become part of
the department’s permanent offerings:
courses capitalizing 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

†Core Course
current course schedule for available topics.

SW 375 Social Work Practice II 3 CH
Continues studies begun in SW 275 with the examination of modalities which can be used in interventions with individuals, families, groups, communities, and service delivery systems. Emphasis on the study and acquisition of generalist practice knowledge, values, and skills necessary to implement planned change. Prerequisite: SW 275; corequisites: SW 378 and SW 379.

SW 378 and 380 Senior Field Practicum I and II 4 CH Each
Taken during last two semesters, this course assigns Senior students two days per week to a human service agency where a field instructor offers individualized professional supervision. Provides experiential learning to help students integrate theory with practice and to develop 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 CH Each
Taken concurrently with SW 378 and SW 380, this course facilitates, reinforces, and supports learning in the practicum. Emphasis on the integration of theory with practice, the use of research methods to evaluate one’s own practice, and application of theory from the entire curriculum to professional practice. Seminars help the student assume responsibility for his or her own practice and professional development. Corequisites: SW 378 and SW 380.

SW 390 Research Methods for Social Work 3 CH
Development of research skills for evaluation and enhancement of social work practice. Understanding and using the language and logic of research, the conceptual tools of scientific inquiry, strategies or research designs, sampling, program evaluation, measurement instruments, and basic statistics. Appreciation of the relationship between research and theory to problem-solving in social work, creation of a research proposal related to Senior Field Practicum, use of research methods to evaluate practice, and the ability to read and interpret research articles. Prerequisite: Junior standing.

Sociology (SO)

†SO 101 Sociology: An Introduction 3 CH
An introduction to the study of groups, society, and culture with an emphasis on how these and other social forces shape human behavior. Sociology’s purpose, perspective, and scientific methods are conveyed.

†SO 122 Sociology of Sports 3 CH
This course is designed to acquaint students with the reciprocal relationship between sport and the society in which it is embedded. Specific attention is given to societal values, governance, discrimination, technology, education, and sport structures in societies. Both positive and negative consequences are considered.

†Core Course
†SO 200 Social Issues and Social Change 3 CH
Using emerging social issues and the changes they lead to, this course introduces students to microsociology, macrosociology, and the relationship between the two. The course is designed to help students understand the processes of social change at different levels of social organization, the reactions of social systems to forces of social change, and the consequences of social change for individuals, groups, organizations, societies, and the world. Prerequisite: SO 101.

†SO 213 Marriage and the Family 3 CH
Examines the family in terms of structure, roles, and functions. Emphasis on understanding family life cycles, change in motivation to marry, divorce and remarriage, non-traditional relationships, and parenting roles. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 214 Health and Lifestyle 3 CH
Examines how relationships with other individuals, cultural norms, gender roles, work environments, and other social factors affect health for better or for worse. Lifestyles which promote better health are described. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 215 Social Psychology: Macroprocesses 3 CH
Emphasizes the social and cultural forms which influence individual social interaction. Covers the components of individual social behavior such as self-identity, interpersonal social behavior such as aggression, and social behavior in groups such as discrimination. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 232 Cities in Crisis 3 CH
An introduction to the study of the city in terms of its place and function in society. This course focuses on the impact of the city on lifestyle and quality of life, urban wealth and urban poverty, specific urban problems and urban conflicts, and the uneven development of cities whereby some gain and some lose people, business, and industry. The process of urbanization at the world level is also considered. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 233 Aging in America 3 CH
Examines the social, political, and economic state of the nation's elders. Topics include ageism and American culture, solvency of the Social Security and Medicare systems, nursing home care, and continued vitality in retirement. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 234 Sociology of Health and Health Care 3 CH
An introduction to the social nature of illness in contemporary society, the changing roles of health care providers, and the ethical issues raised by advances in medical technology. Emphasis on the current health care system in the United States, its flaws and the proposed reforms. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 235 Criminology 3 CH
An introduction to the field of criminology. Course analyzes criminal behavior
including a review of theories of crime causation, society's efforts to cope with criminal behavior, the public perceptions of crime, and the impact of such perceptions on society's responses to crime and on those labeled criminals. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 236 Juvenile Delinquency 3 CH
Examines the social meaning of juvenile delinquency and the diverse types of delinquent behavior. Theories regarding the causes of juvenile delinquency and the available data on juvenile delinquency are studied. Attention is given to recent changes in the relevant laws and the juvenile justice system. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 237 Deviance and Social Control 3 CH
Explores the creation of deviance, the process of becoming deviant, and society's reactions to such issues as civil disorder, crime, mental illness, addiction, sexual deviance, etc. Emphasis on the mechanisms for controlling deviant behavior and the degree to which these are effective. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 239 American Minorities 3 CH
The emphasis in this course is on the human diversity continuum. It is designed to give students an understanding of the conditions that lead to minority emergence and the consequences of minority status; it fosters the acceptance of diversity, cultural pluralism and social change as dimensions of social reality in the United States. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 252 Social Class and Inequality 3 CH
This course examines the distribution of wealth, power, and prestige in society. It is an introduction to the study of the class structure. Theories and research on social stratification are considered. Special emphasis is given to the American class structure and to the urban "under class," the poor, the homeless, the middle class, and the super rich in America. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 253 The Global Social System 3 CH
This course is designed to give students an understanding of the world system as a social system. As such, the world system is a distinctive unit with its own component parts, and human and nonhuman environments, all of which not only influence interaction within the system but also its component parts. Emphasis is on the social processes resulting from interaction over time in the world system, such as values, social norms, collective

†Core Course
understandings and goals, and patterns of relating and interacting. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 254 Society and Economic Change 3 CH
Designed for any student interested in understanding the social impact of the capitalist system and the economics of our times. The following topics are discussed with an emphasis on their social dimension: inflation, unemployment, the federal deficit, income inequality and poverty (national and global), the growth of big business, and the expansion of the world market. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 256 Political Sociology 3 CH
Examines how corporations, social movements, interest groups, governments, and other large-scale organizations amass power and use power to pursue objectives. The dangers of totalitarian power and power vacuums are discussed. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

†SO 258 Society and the Environment 3 CH
This course is an introduction to the study of the relationship between human society and the natural environment. Attention is given to the impact of advanced and developing societies on the environment and to the impact of ecological damage, pollution, deforestation, erosion, and depletion of non-renewable resources on American society and the global social system. The emergence and impact of the environmental movement is also addressed. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

SO 319 Special Topics in Microsociology 3 CH
Detailed and comprehensive analysis of a microsociological issue or problem of current interest. Specific topics to be announced in the course schedule of any given semester. This course may be repeated for credits with a change in subject matter. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

SO 332 Statistics for the Social Sciences 3 CH
Covers techniques for summarizing, describing, and analyzing social, behavioral, and criminal justice data. Interpretation rather than calculation is the substance of the course, along with the purposes and the limits of statistical procedures. Statistical procedures covered are: frequency and percentage distributions, measures of central tendency, measures of dispersion, application of the normal curve, estimates, inference, hypothesis testing, t tests, analysis of variance, chi square and other measures of association, correlation, and regression. Prerequisite: SO 200 for Sociology majors, all other students SO 101; and C or better in MT 060.

SO 333 Opinion Polling 3 CH
This course introduces students to the principles and methods of public opinion research. Students are involved in the practical tasks of conducting an opinion poll while studying the theory, advantages, and limitations of this type of research. Prerequisite: SO 200 for
Sociology majors, all other students SO 101.

SO 354 Global Health and Illness 3 CH
Examines the inequities of health care across the world and the international structures which tend to perpetuate the inequities. The AIDS pandemic, malnutrition, pollution and the use of dangerous pesticides, warfare, and other transnational threats to health are studied. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

SO 355 Changing Human Populations 3 CH
Examines the continuing change in the size, composition, and geographic distribution of human populations at the local, national, and global levels. The impacts of changing fertility, age structures, sex ratios, and birth, death, and migration rates are also explored. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

SO 359 Special Topics in Macrosociology 3 CH
Detailed and comprehensive analysis of a macrosociological issue or problem of current interest. Specific topics to be announced in the course schedule of any given semester. This course may be repeated for credits with a change in subject matter. Prerequisite: SO 200 for Sociology majors, all other students SO 101.

SO 370 Sociological Theories 3 CH
Analysis of the origins and development of sociological thought in Europe and the United States and its relation to contemporary sociological theory. The theoretical contributions of the major classical theorists up to the middle of the twentieth century are covered. Prerequisite: Junior standing, SO 200 for Sociology majors, all other students SO 101.

SO 371 Contemporary Social Thought 3 CH
Follows SO 370 and is designed to introduce the main currents of contemporary sociological thought such as structuralism, poststructuralism, critical theory, and postmodernism. The major works of Giddens, Collins, Foucault, Habermas, Jameson, and Baudrillard are discussed. Prerequisite: C or better in SO 370.

SO 380 Methods of Social Research I 3 CH
SO 380 and SO 381 are offered as an integrated sequence so that the work begun in SO 380 will be carried on in SO 381. The content of these courses emphasizes the scientific and practical orientations under which social research is conducted, cause and effect research, the relationship between theory and research, the design of research projects, field research, survey research, conceptualization and measurement of variables, sampling, and data collection. Examples of published research are examined. Students assess published research, formulate a theory and hypothesis, and design and collect data for a survey. Prerequisite: SO 200 for Sociology majors, all other students SO 101; CS 009, and Junior standing.

SO 381 Methods of Social Research II 3 CH
Continues and builds on the work begun in SO 380. Examines commonly published statistical data such as
census data, crime data, and health data. The course considers the analysis of available data as a research method, looks at experimental and evaluation research methods, examines content analysis, introduces the fundamental methods for quantitative analysis of data, illustrates the use of “packaged” programs for computer analysis (SPSS), and offers instructions on how to interpret computer output for the preparation of research reports. Use of the computer and writing of research reports required. Prerequisite: SO 380.

SO 398 Senior Seminar in Sociology 3 CH
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 CH
Designed for students interested in advanced study or in pursuing areas within Sociology for which no course is offered. By special arrangement.

Spanish (SP)

†SP 011–012 First Year Spanish I, II 4 CH Each
Intended for students who have no previous education in Spanish. 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 Hispanic people and their culture is attained through reading and conversation. Intensive laboratory practice to implement classroom work.

†SP 051–052 Intermediate Spanish I, II 3 CH Each
Review and intensified study of authentic language patterns. Readings based on Spain and Hispanic America. Use of the language laboratory is continued. Speaking ability is stressed. Prerequisite: SP 012 or equivalent.

†SP 101–102 Advanced Spanish Composition and Grammar I, II 3 CH Each
Focus is on writing controlled compositions based on selections previously read and discussed as well as vocabulary building. Practice in using patterns and structures found in the readings is also stressed. Course culminates in the writing of free compositions. Prerequisite: SP 052.

SP 103–110 Professional Topics in Spanish 3 CH Each
Course description varies each time the course is offered.

†SP 111–112 Conversation: Topics for Daily Living I, II 3 CH Each
An integrated study of Spanish as it is spoken and written today. Intensive oral practice, pronunciation, vocabulary, reading, comprehension, short speeches, and group discussions. Prerequisite: SP 051 or equivalent.

†SP 215–216 Spanish Readings and Discussion I, II 3 CH Each
Designed to improve reading ability and self-expression through readings chosen from Spanish authors and discussion. Additional readings from newspapers and magazines, according to individual
interests. Prerequisites: SP 101 and SP 102 or permission of the chairperson.

†SP 241 Spanish Phonetics and Phonology 3 CH
A study of the sounds of the language. Focus is on improvement of pronunciation and intonation. Recommended for all Spanish majors and those who expect to teach Spanish. Use of audio-lingual aids in the laboratory is required. Prerequisites: SP 101 and SP 102.

†SP 251–252 Spanish Literature I, II 3 CH Each
Readings from the great works of Spanish literature from the Middle Ages to the present, with emphasis on an understanding of the Spanish mind and way of life. 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 CH 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 CH Each
Readings from the great works of Spanish-American literature from the colonial period to the present. Lectures and reports are given based on the works studied. Recordings of outstanding authors and critics are also presented. Prerequisites: SP 201 and SP 202 or permission of the chairperson.

†SP 263–269 Special Topics: Spanish American Literature 3 CH
Course description varies each time the course is offered. Prerequisites: SP 101 and SP 102.

†SP 280 Hispanic Civilization and Culture: Spain 3 CH
Traces the history and culture of the Spanish people from their origins to the present day with emphasis on their arts, their thought, and their lifestyle. Lectures, readings, and reports are presented. Audiovisual materials are used. Prerequisites: SP 101 and SP 102.

†SP 281 Hispanic Civilization and Culture: Spanish America 3 CH
Designed to promote understanding of the Spanish-American people through the different periods of their history, their behavior patterns, and their reactions to political, religious, and economic problems. Selected readings are presented. Student presentation of research on various countries is required. Audiovisual materials are used. Prerequisites: SP 101 and SP 102.

†SP 282 Puerto Rico: Su Lengua Y Su Cultura 3 CH
A study of Puerto Rico, its people, culture, and language as shown in its literature and political history.

†SP 283 The Hispanic Caribbean 3 CH
A comprehensive study of the main historical and cultural development of the Caribbean world (Puerto Rico, Cuba, and the Dominican Republic) as seen through the works of outstanding figures in these countries.

†Core Course
SP 299 Special Topics in Spanish 3 CH
Designates new or occasional courses that may or may not become part of the department's permanent offerings: courses capitalizing 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.

†SP 315-316 Conversation: Contemporary Issues I, II 3 CH Each
Course sequence designed to improve mastery of spoken Spanish. Discussions based on current materials: books, newspapers, and magazines dealing with life in the Spanish world, both here and abroad. Prerequisites: SP 111 and SP 112.

†SP 341 Contrastive Linguistics: Spanish-English 3 CH
Provides awareness of the relationship between linguistics and the learning of a new language. Phonological and structural comparison between Spanish and English is an important aspect of the audiolingual approach to the learning and teaching of the Spanish language. Prerequisite: SP 241 or permission of the chairperson.

†SP 353-359 Advanced Topics in Spanish Literature 3 CH
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 CH Each
Description varies each time the course is offered. Prerequisites: SP 261 and SP 262 or permission of the chairperson.

†SP 399 Independent Study 1-3 CH
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 Spanish majors on the basis of a written prospectus. By special arrangement.

Women's Studies (WS)

WS 101 Introduction to Women's Studies 3 CH
An interdisciplinary course introducing students to women's issues, feminist thought, and impact of gender as an organizing force in society. Students learn to approach various disciplines in the humanities, social sciences, and natural sciences from a feminist perspective.

WS 398 Women's Studies Seminar 3 CH
An advanced interdisciplinary seminar which allows students to integrate knowledge of women's issues, feminist theory and criticism, and gender and sexuality. Intended to synthesize previous study and encourage ongoing exploration of historical, social, and psychological construction of gender. Content varies according to the instructor.

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<tbody>
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How to Reach Sacred Heart University

**Fairfield Campus**  
5151 Park Avenue, Fairfield, Connecticut

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

From Connecticut Turnpike (I-95) north or south (Passenger Vehicles Only)
Exit 27A. Continue straight ahead on combined Routes 8 and 25 to fork. Bear left onto Route 25. Take Exit 7, Merritt Parkway south and follow directions above.

**Stamford Campus**  
Trinity Catholic High School Building  
926 Newfield Avenue, Stamford, Connecticut

From Merritt Parkway (Route 15) north or south (Passenger Vehicles Only)
Exit 35. South on High Ridge Road. At Vine Road (Turn of the River Hardware) take a left and go half a mile to Newfield Avenue. The University is on the lower level of the Trinity High School building.

From Connecticut Turnpike (I-95) south (Commercial Vehicles and Buses)
Exit 8. At the end of the ramp turn right onto Elm Street. Continue for approximately an eighth of a mile. Turn right onto Grove Street and travel north for approximately three miles. The school is on the left.

**Danbury Campus**  
at GE Capital  
44 Old Ridgebury Road, Danbury, Connecticut

From I-84
Exit 27. Continue straight ahead off exit ramp (North Frontage Road). Turn right onto Park Avenue. Five miles to Sacred Heart University.

From Connecticut Turnpike (I-95) west (Commercial Vehicles and Buses)
Exit 27. Second left (Lafayette Boulevard). First left under turnpike bridge to North Frontage Road. Follow directions above.

**Valley Campus**  
Derby High School  
8 Nutmeg Avenue

From Route 8 north
Exit 18. Left onto Division Street. Under Route 8 bear left at convalescent home onto Chatfield Street. Left onto Nutmeg Avenue.

From Route 8 south
Exit 20. Straight on Derby Avenue. Bear left at shopping center. Right at second light onto Division Street. Follow directions above.
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### Sacred Heart University Phone Numbers (Area Code 203)

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## Directions to Sacred Heart University

### Fairfield Campus
5151 Park Avenue, Fairfield, Connecticut

From Merritt Parkway (Route 15)

**North or South**  
(Passenger Vehicles Only)  
Exit 47. At end of ramp turn left onto Park Avenue and proceed one block to Sacred Heart University. Entrance on Park Avenue.

From Connecticut Turnpike (I-95)

**North or South**  
(Passenger Vehicles Only)  
Exit 27A. Continue straight ahead on combined Routes 8 and 25 to fork. Bear left onto Route 25. Take Exit 7, Merritt Parkway south to Exit 47. At end of ramp turn left onto Park Avenue and proceed one block to Sacred Heart University. Entrance on Park Avenue.

(Call 203-371-7979 for directions for Commercial Vehicles and Buses)

### Valley Campus
Derby High School  
8 Nutmeg Avenue

From Route 8 North  
Exit 18. Left onto Division Street. Under Route 8 bear left at convalescent home onto Chatfield Street. Left onto Nutmeg Avenue.

From Route 8 South  
Exit 20. Straight on Derby Avenue. Bear left at shopping center. Right at second light onto Division Street. Under Route 8 bear left at convalescent home onto Chatfield Street. Left onto Nutmeg Avenue.

### Danbury Campus
at GE Capital  
44 Old Ridgebury Road, Danbury, Connecticut

From I-84  
Exit 2A Old Ridgebury Road. GE Capital will be the third building on the left after the first traffic light. Classroom on the first floor.

### Stamford Campus
Trinity Catholic High School  
926 Newfield Avenue  
Stamford, Connecticut

From Merritt Parkway (Route 15)

**North or South**  
(Passenger Vehicles Only)  
Exit 35. South on High Ridge Road. At Vine Road (Turn of the River Hardware) take a left and go half a mile to Newfield Avenue. The University is on the lower level of the Trinity High School building.

From Connecticut Turnpike (I-95)

**South**  
Exit 8. At the end of the ramp turn right onto Elm Street. Continue for approximately an eighth of a mile. Turn right onto Grove Street and travel North for approximately three miles. The school is on the left.

**North**  
(Exit 8. At the end of the ramp turn left onto Elm Street. Continue for approximately an eighth of a mile. Turn right onto Grove Street and travel North for approximately three miles. The school is on the left.)
Local Map to Main Campus
Sacred Heart University, Fairfield, Connecticut