## Academic Calendar 1992-1994

### Fall Semester
- **Registration**
- **Labor Day***
- **Undergraduate Classes Begin**
- **Columbus Day***
- **Last Day to Withdraw**
- **Make-up Date for Missed Classes**
- **Last Day to Remove Incompletes from Spring and Summer Semesters**
- **Mid-Semester Exams**
- **Mid-Semester Grades Due**
- **Early Registration**
- **Thanksgiving Holiday***
- **Make-up Date for Missed Classes**
- **Last Day of Classes**
- **Reading Day**
- **Final Exams**
- **Christmas Holiday***
- **New Year's Holiday***

### Spring Semester
- **Registration**
- **Martin Luther King Day***
- **Undergraduate Classes Begin**
- **Washington's Birthday***
- **Last Day to Withdraw**
- **Last Day to Remove Incompletes from Fall Semester**
- **Make-up Date for Missed Classes**
- **Mid-Semester Exam Period**
- **Mid-Semester Grades Due**
- **Spring Break (No Classes)**
- **Easter Holiday***
- **Early Registration**
- **Make-up Date for Missed Classes**
- **Last Day of Classes**
- **Reading Day**
- **Final Exams**
- **Final Grades Due**
- **Commencement**

### Summer Session
- **Intensive Session Begins**
- **Memorial Day***
- **Summer Session I**
- **Independence Day***
- **Summer Session II**

<table>
<thead>
<tr>
<th>Year</th>
<th>Schedule</th>
</tr>
</thead>
</table>

* The University limits its operations on holidays; most offices are closed and classes cancelled.
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 curricular as well as physical plant expansion to be better able to serve your educational needs into the next century. We continually add new courses and are planning additional majors and concentrations which will be explained in supplementary publications. Since education takes place not only in the classroom, but also on the playing field, in the residence halls and resource centers, in a professor's office or around a table in the dining hall, we are building dormitories and planning additional academic facilities, a health and recreation complex and a library expansion in the near future.

Commencement does not signal an end to learning here; we intend your Sacred Heart University education to prepare you to be a conceptual thinker who continues to learn long after you've left our halls. In fact, we offer numerous non-credit courses as well as 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.

We take to heart our slogan that we are 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. Cernera, Ph.D.
President
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Calendar 1992-1994</td>
<td>Inside Front Cover</td>
</tr>
<tr>
<td>A Letter from the President</td>
<td>2</td>
</tr>
<tr>
<td>Accreditation, Memberships, and Notations</td>
<td>4</td>
</tr>
<tr>
<td>Mission and History</td>
<td>7</td>
</tr>
<tr>
<td>Admissions</td>
<td>11</td>
</tr>
<tr>
<td>Expenses</td>
<td>15</td>
</tr>
<tr>
<td>Student Financial Assistance</td>
<td>19</td>
</tr>
<tr>
<td>Student Affairs</td>
<td>25</td>
</tr>
<tr>
<td>Academic Policies and Regulations</td>
<td>31</td>
</tr>
<tr>
<td>Academic Resources</td>
<td>39</td>
</tr>
<tr>
<td>Special Academic Programs</td>
<td>47</td>
</tr>
<tr>
<td>Academic Requirements</td>
<td>59</td>
</tr>
<tr>
<td>Course Descriptions</td>
<td>99</td>
</tr>
<tr>
<td>Directory</td>
<td>185</td>
</tr>
<tr>
<td>Directions</td>
<td>203</td>
</tr>
<tr>
<td>Campus Map</td>
<td>203</td>
</tr>
<tr>
<td>Index</td>
<td>205</td>
</tr>
<tr>
<td>University Telephone Numbers</td>
<td>Inside Back Cover</td>
</tr>
</tbody>
</table>
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 University is a member of the following national and regional associations:

- The American Assembly of Collegiate Schools of Business
- American Association of Colleges of Nursing
- American Association of Collegiate Registrars and Admissions Officers
- American Association of Collegiate Schools and Programs
- American Council on Education
- American Library Association
- American Mathematical Society
- Association for Computer Machinery
- Association of Departments of English
- Association of University Programs in Health Administration
- College and University Personnel Association
- College Entrance Examination Board and Scholarship Service
- Connecticut Association of Colleges and Universities for Teacher Education
- Connecticut Business and Industry Association
- Connecticut Conference of Independent Colleges
- Connecticut Council on Higher Education
- Council for Advancement and Support of Education
- Mathematical Association of America
- National Association of College and University Business Officers
- National Catholic Educational Association
- National Continuing Education Association
- National League for Nursing
Society for Industrial and Applied Mathematics
Southwestern Connecticut Library Council

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 the 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 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, color, national or ethnic origin, religion, age, sex, or handicap.

Policy on Diversity

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

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 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 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 encouraged strongly to participate in the wider community through service to others, especially the poor.

From its founding, the University has been recognized for its caring approach to students. This expresses the
University’s belief that each student is born with a unique set of qualities and skills. It respects the personal and academic freedom of each of its members while, at the same time, fostering a genuine experience of community. By so doing, it creates the environment in which each person 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. It was established to provide a quality education at a local Catholic university. 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, for example, has risen from its original class of 173 students in 1963 to over 5,277 full- and part-time students in Fall 1992. Correspondingly, the faculty has increased from nine to over 300. Fifty percent of the full-time undergraduate faculty have tenure. This remarkable growth in such a relatively short period is often attributed to the development of new degree programs and majors in relevant disciplines. As this catalog goes to press, more new programs—like global studies, a theater arts major, and a four-year Bachelor of Science in Nursing degree program for non-RNs—are well on their way to being added to the offerings listed in this edition.

From its first days the University rapidly embraced a wide variety of new programs and offerings ranging from the traditional liberal arts, mathematics and science, nursing, and computer science. The largest growth area, however, has been business with majors in management, finance, accounting, and marketing. Such programs are reflective of the surrounding corporate atmosphere in Fairfield County.

Varied degree programs also have been developed such as the highly innovative Associate of Arts degree, once unique in Connecticut, and expansive Masters programs in the areas of business management, religious studies, nursing administration, and teaching. One of the most significant contributions of Sacred Heart University to the community is its commitment to continuing education and the lifelong learner. Its evening course offerings earn praise for their diversity and relevance to the learning process in higher education.

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

Location
Located on 53 suburban acres in Fairfield, Connecticut, the main campus is just minutes from Exit 47 off the Merritt Parkway, (Route 15), about one hour north of New York and two hours south of Boston (see Directions).

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

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

A liberal arts curriculum, in place through the ages from the days of antiquity, speaks to one's humanity—a link with the past, a commitment to the future.

The University offers Baccalaureate candidates a choice of 23 majors in the areas of liberal arts, business, and professional studies. Candidates seeking an Associate degree can choose from among 24 major concentrations. Master of Arts degree programs are offered in the fields of business administration (MBA, AMBA, MBA/Health Care), 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

Sacred Heart University does not discriminate on the basis of race, national origin, color, sex, age, creed, or disability.

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 admissions and the appropriate application requirements are outlined 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 scores. (The Sacred Heart University code assigned by Educational Testing Service is 3780.) An interview on campus is strongly recommended to complement the credentials required above.

Transfer Admissions

The University also accepts full-time students transferring from other regionally accredited colleges. Prospective transfer students are required to submit an application for transfer admission along with their high school transcript, SAT scores, and official college or university transcripts to the Office of Admissions. 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.

The University will grant 45 credits in the appropriate curriculum areas to those students who have a three-year RN diploma from an accredited institution. This is not applicable toward the Bachelor of Science degree in Nursing.

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 in the Office of Admissions. The supplement includes requirements for proficiency in the English language (i.e., TOEFL — Test of English as a Foreign Language), submission of education credentials with English translations, as well as a financial statement for an F-1 visa application.
Acceptance Process

Sacred Heart University admits full-time students to undergraduate programs of study in September or January.

Sacred Heart University accepts full-time students through an Early Decision Program or on a Rolling Admissions basis. 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 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.

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 if they intend to enroll at the University. 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 or (800) 333-8934
FAX: (203) 371-7889

Admissions Process for Part-Time Study

All part-time day and evening undergraduate students are admitted through the Office of Graduate Studies and Continuing Education. Sacred Heart University offers two special programs for the adult student: the AHEAD Program and Weekend University.

The AHEAD Program (Adults in Higher Education Working for Accelerated Degrees) is an accelerated degree program in Business Administration designed for the working adult with family and other responsibilities and offering the possibility of cutting degree completion time in half. Weekend University, a degree program in Business Administration, offers classes every second weekend and, in this way, facilitates the pursuit of a degree for an adult who has difficulty attending classes during the week.

Through Certificate Programs, in addition to the regular undergraduate offerings and non-credit courses, the Office of Graduate Studies and Continuing Education attracts a large part-time student population. Those interested in enrolling should contact the Office for an application, program information, and counseling.
The procedure for admission to degree programs is:

1. Complete a part-time application and return it to the Office of Graduate Studies and Continuing Education with the appropriate fee.

2. Have an official transcript of both high school and college work 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 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 or (800) 288-2498
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 off-campus extension sites in Ansonia, Stamford, and Lisbon, Connecticut.

The 17/62 Program

The 17/62 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 for information. Senior citizens should contact the Office of Graduate Studies and Continuing Education for more information.
Expenses
Expenses

Tuition and Fees
Academic Year 1992-93

Full-Time Student
(12-17 credits) $4,750/semester
Overload
(18 or more credits) $325/credit
College Fee $120/semester
(Includes $35 Registration Fee, $10 Library Fee, $45 Student Government Fee, and $30 Student Activity Fee.)

Part-Time Student
(1-7 credits) $225/credit
(8-11 credits) $325/credit
College Fee $50/semester
(Includes $35 Registration Fee, $5 Library Fee, and $10 Student Government Fee.)

AHEAD Student
Tuition $225/credit
Registration Fee $20/term
Library Fee $5/semester
Student Government $5/term

Other Fees
Application
(when applying for admission only)
Full-time undergraduate $30
Part-time undergraduate $15
Orientation $100

Sacred Heart University
Audit $300/course
Change of Program $15/change
Deferred Payment $25/semester
Graduation $75
Lab (per course)
Level 1 $50
Level 2 $35
Late Registration $20
Private Music Lesson (per credit)
Level 1 $130
Level 2 $250
Transcript $5/transcript
Insurance
Accident $38.50/year
Medical $173.80/year
Room* $3,600/year
Board* $1,500/year

*The room and board plan is mandatory for Freshman residential students. Non-residential students may also elect the meal plan ($750/semester).

Family Discount Plan
The Family Discount Plan offers a 15 percent reduction in tuition costs when two or more individuals from the same family are enrolled at the University. Each student must take at least six 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 cover-
age is in effect 24 hours a day, worldwide. 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 Business 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 are several deferred payment plan options available.

Sacred Heart University offers five-month, four-month, and three-month deferred payment plans with a $25 finance charge each semester.

Exact dates for each plan are published in the semi-annual undergraduate course schedule.

There is no payment plan available for the summer session.

For further information about the deferred payment plans, contact the University’s Student Accounts Office.

Ten-month Deferred Payment Plan

Academic Management Services, Inc., offers a ten-month deferred payment plan with a $45 finance charge. Applications can be obtained from the University’s Student Accounts Office.

Applications and additional information also are available from Academic Management Services, Inc., 50 Vision Blvd., P.O. Box 4506, East Providence, RI 02914-0506. The toll-free number is (800) 635-0120.

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
Sacred Heart University is committed to providing an affordable tuition for a college education. Over 72 percent of the student body currently receives some type of financial assistance. 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 seek the advice of the Office of Student Financial Assistance. 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 (six 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.

Furthermore, 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 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.
   - 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

Federally-funded programs described below include:

- College Work-Study (CWS)
- PELL Grant
- Perkins Loan
- Parent Loan for Undergraduate Students (PLUS)
- Stafford Loan (formerly Guaranteed Student Loan)
- Supplemental Educational Opportunity Grant
- Supplemental Loan for Students

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.

PELL Grant

The PELL Grant is an entitlement program from the federal government. The program dictates that if a student demonstrates financial need then that student is entitled as a United States citizen to some financial assistance in meeting the cost of a college education.

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.

Parent Loan for Undergraduate Students (PLUS)

PLUS is a loan for parents who have dependent students in school. Parents begin making payments 30 to 60 days after they receive the loan and must make payments of at least $50 per month. Parents also may take up to 10 years to pay back the loan.

Stafford Loan (formerly Guaranteed Student Loan)

The Stafford Loan is awarded to students who demonstrate financial need. The government pays the interest on the loan while the student is in school. Thus, students start repayment of the loan (plus interest) only after they graduate or leave school and have 10 years to repay the loan.
**Supplemental Educational Opportunity Grant (SEOG)**

The Supplemental Educational Opportunity Grant is a grant for students who demonstrate a high financial need.

**Supplemental Loan for Students (SLS)**

The SLS is a loan for independent students. This loan also does not have to be repaid until the student graduates or leaves school. The interest, however, does accumulate on this loan. There is a 10-year repayment period.

**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 attending a private college or university in Connecticut.

**University Programs**

Several scholarships and programs are available from Sacred Heart University to qualified students, including the following described below:

- Bridgeport Scholars
- Connecticut Community College Scholarship
- Diocesan Scholars
- Endowed Scholarships
- Grant-in-Aid
- Minority Scholarship
- Parish Leadership
- Student Activity Recognition Awards
- Student Tuition Waiver
- Transfer Achievement Award
- Trustees Scholarship
- University Student Employment

**Bridgeport Scholars**

Students who are residents of and attend a high school within the City of Bridgeport, Connecticut, are eligible for an award ranging from 33 to 75 percent of tuition. Students are evaluated primarily on their rank in class and demonstrated financial need. Renewal of the scholarship each year requires a 3.2 grade point average.

**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 into Sacred Heart University and must maintain a 3.2 grade point average for renewal.

**Diocesan Scholars**

Exclusively for members of the Diocese of Bridgeport, students will be selected primarily on their high school rank in class, as well as the strengths of their college preparatory program, grade point average and quality of standardized test scores. Awards range from 33 percent to 75 percent of tuition. All awards will be coordinated with any need-based aid for which the student may qualify. A 3.2 grade point average is required for the scholarship to be renewed each year.
**Endowed Scholarships**

Endowed scholarships are offered in varying amounts, to academically worthy students by private organizations, corporations, and individuals. The following list is subject to change.

- Julius R. Andrasi Memorial
- Dorothy Anger Memorial
- John T. Balamaci
- Dr. Daniel T. Banks Pre-Medical
- Arthur J. Brissette Memorial
- Dr. John J. Brookes Memorial
- Scott Browning Memorial Scholarship
- Bullard Company Fund
- Dr. Evelyn Conley Memorial
- Dr. Charles Eby Memorial
- Douglas Edwards Memorial
- Jonathan T. Evanish Nursing
- Peter Fairbaugh Memorial
- Alexander Hawley Memorial
- James Joy
- James River Corporation
- John T. Katona Memorial
- Loretta Keating
- Laborers International Union Local 665
- Dorothy Lansdale, R.N.
- Mechanics and Farmers Fund
- Lucy Medaglia Memorial
- Harold and Ann Miller Adult Near and Far Aid Association
- Sandra Lynn Nobili Memorial
- Parish Scholarship Funds
- Bette Pinder Memorial
- Charles Plohn Art
- Jeanette Rohn Memorial
- Sacred Heart University Endowed
- Leonard A. Schine Memorial
- Robert Sendar Memorial
- Slovak-American Heritage
- SNF Scholarship
- Tortora Nursing

**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 $2000 based on financial need. All awards will be coordinated with any other need-based aid for which the student may qualify.

**Sacred Heart University Grant-in-Aid**

These funds are awarded to undergraduates with financial need.

**Sacred Heart University Minority Scholarship**

The Sacred Heart University Minority Scholarship is awarded to full-time undergraduate minority students with financial need, academic potential, and demonstrated leadership ability.

**Student Activity Recognition Awards**

These awards are given to students based on leadership and participation in University programs (i.e., *Spectrum*, *Prologue*, student government, WSHU, WWPT, and athletics).

**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 from another post-secondary institution with a 3.2 grade point average are eligible to apply. Students must maintain a 3.2 grade point average for renewal.
Trustees Scholarship

Trustees Scholarship awards range from 33 to 75 percent of tuition. Students will be selected primarily on their high school rank in class, as well as the strengths of their college preparatory program, grade point average, and quality of standardized test scores. All awards will be coordinated with any need-based aid for which the student may qualify. Renewal of the scholarship each year requires a 3.2 grade point average.

University Student Employment

This program allows students to work on campus for an hourly wage.

For further information on financial aid contact:
Office of Student Financial Assistance
Sacred Heart University
5151 Park Ave.
Fairfield, CT 06432-1000
Telephone: (203) 371-7980
FAX: (203) 371-7889
Student Affairs
Student Affairs

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 co-curricular 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.

Dean of Student Affairs
The Dean of Student Affairs serves as the primary administrator for the Student Life areas. 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.

Wellness Support Services
Sacred Heart University offers support services through its counseling, career, health, and campus ministry programs.

Counseling
The Counseling Center provides support services to members of the University community who may be experiencing some difficulty. Two professional counselors are available daily for individual and/or personal counseling sessions. Many personal development workshops are offered by the Counseling Center as well as group and topical counseling sessions. For longer term therapy, the staff makes referrals to local professional staff.

Career Center
The Career Center assists students with life planning, from exploring potential study majors to locating a job during the last year. Professional staff members in the Career Center work with students to assess abilities and interests in the career-planning phase. The center works with students to locate internship and co-operative educational opportunities. Formal job placement workshops and assistance are provided throughout the final year and after graduation.

Health Center
The Health Center offers daily first-response treatment for minor health-related issues. Staffed by Registered Nurses, the Center also handles state immunization requirements and health prevention workshops.

Campus Ministry
The Campus Ministry strives to meet the spiritual needs of members of all faiths within the University community. The Ministry serves students, faculty, and staff through daily liturgies, pastoral counseling, special events, and programs. The Campus Ministry also reaches out to the wider community in a variety of ways, including daily (weekdays) Mass during the academic year and Sunday Mass.

Campus Life
Athletics
The 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 and is expected to continue to grow in the years to come. In 1991, three new varsity sports
were introduced: football, men's lacrosse, and women's soccer. Men's cross country, golf, and bowling, and women's lacrosse began in 1992-1993. Women's bowling, equestrian, field hockey, golf, and tennis, and men's ice hockey and tennis are slated for 1993-1994. Intramural activities also are available to students for such sports as flag football, basketball, softball, and golf.

Active programs, 1992-93:

<table>
<thead>
<tr>
<th>Men's Varsity Sports</th>
<th>Women's Varsity Sports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseball</td>
<td>Basketball</td>
</tr>
<tr>
<td>Basketball</td>
<td>Cross Country</td>
</tr>
<tr>
<td>Bowling</td>
<td>Lacrosse</td>
</tr>
<tr>
<td>Cross Country</td>
<td>Soccer</td>
</tr>
<tr>
<td>Football</td>
<td>Softball</td>
</tr>
<tr>
<td>Golf</td>
<td>Volleyball</td>
</tr>
<tr>
<td>Lacrosse</td>
<td></td>
</tr>
<tr>
<td>Soccer</td>
<td></td>
</tr>
<tr>
<td>Volleyball</td>
<td></td>
</tr>
</tbody>
</table>

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, a Nautilus room, aerobics room, steam room, and sauna. The athletic fields will be enhanced with a synthetic turf field with lights. These facilities also will be used for all intramural activities and will be open for general recreation.

**Public Safety**

The Office 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 and motor patrols.

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

The Office of Public Safety 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, four 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, which address concerns and organize activities for the members of the Hall community. A listing of off-campus apartments also is maintained in the Residential Life Office.

**Student Activities**

The Student Activities Office facilitates the co-curricular and extracurricular events for the University community in conjunction with the many student groups (Student Government, program board, clubs, fraternities, sororities, and Classes). Additionally, the Activities staff organizes and implements the orientation program for
new students. The Student Handbook and the weekly newsletter Heartbeat are published by the Activities Office. Student ID cards are issued in this office as well.

The Student Activities Office also oversees the more than 60 student clubs and organizations. The following lists all of the organizations currently registered with the Student Activities Office:

**Governing Organizations**
Class Officers
Council of Clubs and Organizations
Inter-Fraternity/Sorority Council
Residence Hall Association
Student Government

**General Student Organizations**
Caribbean Club
College Republicans
Debate Society
Gamma Omega Delta (Campus Ministry Club)
Historical Simulation Society
Horizons Literary Magazine
International Students Club
Irish Club
Italian Club
Jewish Friendship Organization
Karate Club
La Hispanidad
Outdoors Club
P.E.A.C.E. (People Effectively Achieving Community Efforts)
Pep Band
POYSAAN (Substance Abuse Awareness Network)
Presidential Gold Key
Programming Board
Prologue yearbook
S.O.S. (Students Offering Support)
Spectrum newspaper
Student Ambassadors Association
Theatre at SHU
UJAMMAA (Black Heritage Club)
University Chorale
WSHU-FM Radio

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

**Honors Societies**
Students maintaining high academic averages and meeting other necessary qualifications may be nominated for membership in societies, including:
Alpha Sigma Lambda Honor Society (Continuing Education)
Delta Epsilon Sigma Honor Society
Delta Mu Delta (Business)
Mu Delta Honor Society (Nursing)
Phi Alpha Theta, Phi Iota Chapter (History)
Phi Sigma Iota Honor Society (Languages)
Psi Chi Honor Society (Psychology)

**Fraternities**
Gamma Chi Zeta
Sigma Tau Omega

**Sororities**
Beta Delta Phi
Nu Epsilon Omega

**Sports Activities**
Cheerleaders
Intramurals
Rugby Club
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-Thursday, 8:30 am-8 pm; Fridays, 8:30 am-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: (800) 333-8934 or (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: (800) 288-2498 or (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 Quality Point Average (QPA). The original grade, however, will be kept on the transcript. This policy is limited to the first two F's repeated during undergraduate study. A student who has repeated a course and wishes 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 through appeal to the Office of the Vice-President for Academic Affairs.

**Academic Honors**

Academic honors include the Dean's List and graduation honors.

**Dean's List**

The Dean's List is calculated on a semester basis. A full-time student, who earns a grade point average 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 grade point averages are eligible for the listed 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 formula, 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 one semester 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. Auditing fees are listed in the Expenses section of this catalog.

**Changes of Curriculum and Continuous Enrollment**

A degree candidate has the right to graduate under the requirements which 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.
The Baccalaureate curriculum and other major requirements have changed for the student who has entered since the Fall semester 1985. A student who entered prior to fall semester 1985 and who maintained continuous enrollment can choose either set of requirements. The student must complete the core and major from the same set of requirements. The student who entered the University as of Fall semester 1985, or subsequently, must complete the new requirements. Separate worksheets are available for each curriculum at the Registrar's Office.

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
A student will be dismissed according to the following criteria:
1. A student who attempts 9 or more credits in his/her first semester and whose GPA falls below 0.5.
2. A student with a GPA below the minimum required GPA.

Minimum Required GPA

<table>
<thead>
<tr>
<th>Credits Completed</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-25</td>
<td>1.2</td>
</tr>
<tr>
<td>26-40</td>
<td>1.3</td>
</tr>
<tr>
<td>41-55</td>
<td>1.4</td>
</tr>
<tr>
<td>56-75</td>
<td>1.5</td>
</tr>
<tr>
<td>76-90</td>
<td>1.6</td>
</tr>
<tr>
<td>Over 90</td>
<td>1.7</td>
</tr>
</tbody>
</table>

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 quality points issued for each grade, is presented below.

<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>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 F's. In unusual circumstances, the six-week period can be extended up to one year maximum with the approval of the faculty and faculty chair. 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.

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. A matriculation fee is charged to part-time students.
Measles and Rubella Immunization

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) of immunity is acceptable in lieu of administration of vaccine.

All students must be in compliance with this State Law before registering.

Placement Test Policy

All students registering for EN 005, 006, 007, or 011 and/or MT 005, 006, 050, 080, 100, or 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 Math Office at (203) 371-7770 or (203) 371-7844.

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, as defined below:

### Good Academic Standing

<table>
<thead>
<tr>
<th>Credits Completed</th>
<th>Minimum Grade Point Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-25</td>
<td>1.5</td>
</tr>
<tr>
<td>26-40</td>
<td>1.6</td>
</tr>
<tr>
<td>41-55</td>
<td>1.7</td>
</tr>
<tr>
<td>56-75</td>
<td>1.8</td>
</tr>
<tr>
<td>76-90</td>
<td>1.9</td>
</tr>
<tr>
<td>Over 90</td>
<td>2.0</td>
</tr>
</tbody>
</table>

A student whose grade point average is below the above minimum will be placed on academic probation.

A student on probation will be restricted from 3 to 12 credits depending on his or her cumulative average.

### Normal Progress

<table>
<thead>
<tr>
<th>No. Full-Time</th>
<th>Student Status</th>
<th>Credits Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semesters</td>
<td>Freshman</td>
<td>0-23</td>
</tr>
<tr>
<td></td>
<td>Sophomore</td>
<td>24-53</td>
</tr>
<tr>
<td></td>
<td>Junior</td>
<td>54-83</td>
</tr>
<tr>
<td></td>
<td>Senior</td>
<td>84-120</td>
</tr>
</tbody>
</table>

A student whose credits completed fall below the minimum listed is considered as not making normal academic progress. Many financial assistance programs are contingent on the student 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 that the courses are not being 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 stu-
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 wishing a modification in academic requirements should obtain the application for an Academic Waiver form from the Office of the 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 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 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 Handicaps

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 Vice President for Academic Affairs for a waiver of that requirement.

Proficiency

The University core provides for proficiency waivers in the following areas: Modern Foreign Languages, Mathematics, English Composition, 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 CLEP or prior learning.

Substitutions

If a required course is canceled by the University, the faculty chairperson in consultation with the Assistant Vice President for Instruction 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
Sacred Heart University currently has 10 buildings on its 53-acre campus in the northeast corner of Fairfield, Connecticut.

**Academic Center**

The Academic Center contains most classrooms and faculty offices, administrative and academic departmental offices. This includes the Academic Affairs and Provost offices, Athletics, Graduate Studies and Continuing Education, Campus Ministry, Career Planning and Placement, Health Services, Public Safety, Registrar, Student Affairs, and Student Government offices. It houses the faculty offices of Art, Biology, Business Administration, Chemistry, Communication Studies, Computer Science, Financial Studies, Modern Foreign Language, Music, Nursing, and Psychology. It is also a multi-purpose activity center, housing the bookstore, chapel, computer center, dining hall, Faculty Lounge, Gallery of Contemporary Art, gymnasium, Hawley Lounge, mailroom/print shop, science and language laboratories, and theatre. Chubby's Lounge, adjacent to the dining hall, serves as a student lounge and recreational activity center.

**Art Studios**

Art studio work facilities include painting, design, drawing, and illustration studios. Major equipment provided for the illustration and graphic design student includes reproduction/process cameras, headline units, typesetting facilities, Macintosh computers, laser printer, light tables, artograph projectors, air brushes, mounting presses, and a small darkroom equipped for black and white photographic processing.

**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; an Ikegami TV microprojector; numerous Olympus compound binocular microscopes and Bausch and Lomb dissecting microscopes; a multipurpose Swift fluorescent microscope; several microcomputers, and other supporting equipment suitable for undergraduate instruction and research.

**Chemistry Laboratories**

There are six laboratories serving the needs of general, inorganic, organic, physical, analytical, biochemistry, and instrumental analysis. These laboratories contain the following major equip-
ment: a Bomen MB-100 FT-Ir Spectrometer; a Perkin-Elmer Lambda 3B, a Cary 15, and a Beckman DB-GT UV/Visible Recording Spectrophotometers; a Perkin-Elmer 1420 Ratio Recording Infrared Spectrophotometer; two Perkin-Elmer 1310 Infrared Spectrometers; a Perkin-Elmer 373 Atomic Absorption Spectrometer; a Varian T60 Nuclear Magnetic Resonance Spectrometer; a Perkin-Elmer DSC-2 Differential Scanning Calorimeter; an Elemental Analysis Instrument Package that includes a Perkin-Elmer 240C Elemental Analyzer, a Perkin-Elmer 240 Data Station, a Perkin-Elmer 650 Terminal, and a Cahn 29 Micro-Balance; two Perkin-Elmer 3D HPLC Systems; a Perkin-Elmer Sigma 2 and a Gow-Mac 550P programmable Gas Chromatographs; a PARC 254A Polarographic Analyzer/Stripping Voltam- meter; a Johnson Matthey Magnetic Susceptibility Balance; a Jenway PFP7 Flame Photometer; Eberbach Electrodeposition Equipment; a Stainless Steel and a Plas Lab Acrylic Glass Dry Boxes; a Virtis Unitrap II Freeze Dry Lypholyzer; a Mettler Micro-Balance; 10 Spectroscopic Spectrometers; several IBM, Macintosh, and Apple microcomputers, and many other supporting equipment suitable for undergraduate research.

Computer Facilities

The TIE/Communications Computer Science Wing was designed to facilitate learning by having advanced equipment placed in a contemporary setting and having both operators and faculty available in the immediate vicinity. The main lab contains two Digital DEC 5500 systems, installed in the Summer of 1991, with 100 terminals/workstations; 6 gigabytes disk unit storage; 64 megabyte memory; 4 mm, 1200 dpi nine-track tape drive for backup, and two laser printers to assure high-quality output. The UNIX operating system provides batch and interactive access to various compilers, editors, and software including: COBOL, C, PASCAL, FORTRAN, MODULA 2, PATHWORKS, SSPSS, X-WINDOWS, and MOTIF. Also available is a MIPS M/120 RISC computer with 25 terminals, one SCSI 328 megabyte disk drive, and a 120-megabyte tape drive for backup. The MIPS M/120 runs the UNIX operating system and the programming language ADA, which has been adopted by the Department of Defense as its standardized programming language.

The Computer Center also houses 60 personal computers and 10 printers, which are available for general student use. Software available for student use includes:

- dBase IV
- Lotus 1-2-3
- MS Windows
- MS Works
- Profit
- SPSS PC+
- WordPerfect
- Wordstar

There also are 10 Macintosh computers connected to an inkjet printer. Software available includes MS Word, Excel, and PageMaker. The Art Department also has a Macintosh computer laboratory for the use of graphic design students.

In addition, there are several classrooms equipped with computers for teaching aids. Two classrooms generally are used by computer science classes, one laboratory is devoted to using the computer as a writing tool, and another is devoted to management education. There is a computer-equipped classroom where continuing education classes in word processing and other
applications are held. Part of the University Learning Center in the Library is devoted to a computer laboratory used for tutorials.

**Modern Language Laboratory**

The Study of Modern Foreign Languages is enhanced through the use of a modern and up-to-date laboratory which provides students with ample opportunity to hear a variety of native speakers, to practice and reinforce language and phonological patterns, to copy master tapes, and to record and hear their voices. A selection of recordings of great writers and literary critics and other materials concerning culture and civilizations are available.

The language laboratory also has a television and VCR for students to become acquainted with the culture, history, and literature of other countries through the wide collection of video cassettes owned by the University.

**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, Philosophy, and Religious Studies.

**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.

The studios further provide remote production capabilities via 3/4" EFP and 1/2" VHS portable video equipment, and Super 8mm motion picture cameras, both augmented by separate editing and screening rooms. Multi-image slide/tape production equipment offers students additional creative outlets.

**Campus Center**

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

**Library**

The Sacred Heart University Library is open a minimum of 80 hours per week during the academic year, including evenings and weekends, and posts additional hours at exam time. Professional librarians are available at all times at the reference desk to answer questions and assist students research. Instruction sessions also are conducted for class groups to make them familiar with the library and the research process. The librarians provide guidance to a variety of resources, including 156,500 print volumes, 1,090 periodical titles, and more than 66,000 pieces of non-print material such as videotapes, audiocassettes, phonodiscs, microforms, filmstrips, and slide sets. Access to the collection is provided by an on-line catalog as well as the card catalog. The reference area includes indexes on CD-ROM of general and business periodicals, *The Wall Street Journal* and *The New York Times* newspapers, which can be searched by students, and access to on-line indexes which librarians use to search for a
student's topic. Other on-line access provides information on location of material not housed at the library. Such items can be borrowed from other libraries through inter-library loan.

Facilities include an Apple computer lab (with DEC, IBM, and Apple computer), microform readers and reader/ printers, typewriters, cassette players, a video playback unit, slide projector, filmstrip viewer, and several photocopy machines. The library also houses the University Learning Center, offices for the Institute for Religious Education and Pastoral Studies, and the Schine Auditorium.

University Learning Center

The University Learning Center, located in the lower level of the 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. Group workshops and individual tutorials are taught both classroom-style and directly on a computer terminal, and may be scheduled by the Director, (203) 371-7820 or 371-7823, or the Coordinator of the Math and Science Lab, (203) 371-7772 or 371-7820.

Examples of workshop topics include:
- Argumentative Essay
- College-Level Reading
- Developing a Positive Self-Image
- Error Analysis and Revision
- Listening Skills
- Research Skills
- Speech Preparation
- Study Skills
- Time Management Skills
- Test-Taking Skills
- Writing the Business Case Study
- Writing an Effective Critique
- Writing an Effective Essay
- Writing Effective Paragraphs
- Writing Effective Sentences and Paragraphs (for English as a Second Language students)
- Writing About Fiction

Residence Halls

Sacred Heart University currently has four buildings known as the Jefferson Hill Residence Halls on campus, housing approximately 230 students and resident advisors in apartment-style suites. The University anticipates opening another complex of residence halls during the 1993-94 academic year. Since 1990 residential facilities controlled by the University have been available within a few miles of the campus, with a shuttle bus service to transport students. All residence facilities have security systems in place controlled by the Office of Public Safety. Residential Life services are described in the Student Affairs section of this catalog.

Additional Facilities

Other buildings on campus include Park Avenue House, which is the current location of the offices of the Criminal Justice, Social Work, and Sociology faculty; and Jefferson House, containing the offices and studios of Sacred Heart University's two radio stations, WSHU and WWPT.
Radio Stations

The professionally operated WSHU-FM, a 12,500-watt station at 91.1, 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 254 nationwide. 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.

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 stations serve as learning laboratories for media studies and other disciplines.

Community Resources

Center for Ethnic Studies

Serving the cultural and educational interests of the various ethnic groups in our community areas, the Center for Ethnic Studies offers courses and lectures in the history, literature, and language of different nations. In addition to academic programs and study-trips abroad, the Center sponsors special events featuring ethnic art, plays, music, and dance.

Center for Policy Issues

The Center for Policy Issues was established in 1980 with a special mission to serve the people of southwestern 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 activities.

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.

University Chorus

The University Chorus is a contemporary music group for all who enjoy singing. Vocal skills and musicianship are developed through weekly rehearsal and public performance of modern arrangements that feature the best of America’s entertainment music.
Institute for Religious Education and Pastoral Studies

The Institute for Religious Education and Pastoral Studies provides laity, clergy, and religious with the opportunities for professional training and personal growth related to religious education, pastoral studies, and other chosen fields of ministry. 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 offices are located in the upper level of the Library, and the director may be reached at (203) 371-7843 or 371-7867.

Programs of the Institute include:

- **Graduate Studies**
  A concentration in Catechetical Administration is available to students in the Master of Arts in Teaching program.

- **Certificate Programs in Catechetical Ministry**
  Enrichment and enhancement for those seeking recognition as catechetical leaders.

- **School for Spirituality and Prayer**
  A formal study of Christian spirituality as it relates to spiritual growth and intimacy with God and neighbor.

- **Pastoral Studies**
  Enriching oneself through non-credit courses on topics of current religious interest.

- **Pastor’s Institute and Conferences on Pastoral Administration**
  Offering priests the opportunity to enhance their parish ministry by learning those skills needed for today’s role of pastor.

- **Conference on Ethics**
  Specialized study on those issues impacting on how we live our lives today.

- **Assembly for Liturgical Ministers**
  Enriching new and experienced liturgical ministers by providing insights into and skills for celebrations of prayer, sacraments, song, and worship.

- **Convocation on Catechetics**
  Specialized seminars of intensive study for catechetical, pastoral, and education leaders.

- **Festival of Sacred Scripture**
  Special events dedicated to studying the Word of God.

- **Special Lectures**
  Providing occasional events focused on significant topics, led by acclaimed experts.
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
- Academic Incentive Program
- Freshman Seminar
- American Institute of Banking Programs
- Assessment of Prior Learning Program
- Athletic Training/Sports Medicine Program
- College Credit by Examination
- College Level Examination Program (CLEP)
- American College Testing Proficiency Examination Program
- Co-Op Internship Program
- English as a Second Language (ESL) Program
- Honors Program
- Independent Study and Individual Instruction
- Pre-Professional Programs
- Presidential Internship Program
- Reserve Officer Training Corps (ROTC)
- Teacher Education Program
- Unified Program in Nursing
- Women's Studies Program

**Academic Advisors**

Each student is assigned an academic advisor in his or her major field. This faculty member works with the student to map out a succession of required courses and suggests electives to achieve the degree requirements. Some course registrations require pre-authorization from the advisor or course instructor. Freshmen are assigned Newcomer, English as a Second Language (ESL), and/or Academic Incentive Program advisors for consultations before declaring a major. In addition, certain faculty members are designated as Pre-Law, Pre-Med, Pre-Nursing, Freshman English, and Honors program advisors. Current faculty assignments are listed in the course schedule bulletins each semester.

**Newcomer's Program**

Specially selected and trained faculty advise Freshmen and students who have not declared a major under the Newcomer's Program. Through this program students are assisted in the clarification of their life and career goals and in the development of education plans for the realization of those goals. Beyond aiding in course selection and class scheduling, these advisors help assess a student's interests, competencies, goals, and aspirations, and assume an advocacy role for the student when necessary. Specific core courses from Area A are expected to be completed in the first year:
EN 011 Freshman Rhetoric: Shorter Forms
EN 012 Freshman Rhetoric: Longer Forms
CA 021 Effective Communication
HI 101 Civilizations
MT XX (Mathematics course according to placement)

Academic Incentive Program

The Academic Incentive Program (AIP) 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 the high school record, including grade point average and class rank, as well as the SAT scores. The English placement test given prior to registration also is used as an indicator.

The program includes:
1. Placement testing.
2. A registration interview and a summer college orientation.
3. A 6-credit course in reading, writing, and study skills (FS 101: Freshmen Seminar).
4. A personal advisor to provide academic counseling on a weekly basis.
5. Individual and small group tutoring at the University Learning Center in reading, writing, and study skills.

First semester Freshmen are assigned to an AIP team of 30 students representing two English classes, with two English professors who also serve as AIP faculty advisors and a core curriculum professor. Students register for the following courses:
- EN 007 Foundations for College English — Reading, Writing and Study Skills (6 credits)
- FS 101 Freshman Seminar (1 credit)
- Mathematics (according to placement test results)
- A core curriculum course (3-4 credits)
- An elective (2-4 credits)

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

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

Freshman Seminar

As part of the Freshmen advisement program, all students are required to take a one-credit course known as FS 101, Freshman Seminar. Through class discussion, reading a related text and keeping a weekly journal, the student learns to manage the transition from directed learner to independent learner in a collaborative setting. College survival skills are taught: note-taking, listening, time management, study methods, and exam-taking. For 9 of the 12 sessions a small group setting allows interactive teaching and fosters the development of a community of learners. The other three classes are planned as large group presentations (convocations) followed by break-out sessions. The goal is to enable the student to develop the skills, motivation, and techniques to achieve success personally and academically.
American Institute of Banking (AIB) Programs

Sacred Heart University accepts from the Bridgeport AIB Chapter the courses listed below and applies them, as appropriate, to the Associate degree programs in Accounting, Banking, Business, and to the Baccalaureate degree programs in Accounting, Business Administration, and Finance.

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
BU 231 Business Law I (AIB 3660) Law and Banking
MK 261 Principles of Marketing (AIB 7740) Marketing for Bankers
EC 201 Principles of Economics (AIB 2310) Economics for Bankers
EC 302 Money and Financial Institutions (AIB 6350) Commercial Lending
FN 314 Financial Analysis (AIB 6920) Analyzing Financial Statements
General Elective (AIB 6204) Deposit Operations
General Elective (AIB 8325) Trust Operations

For additional information about these programs, call the Graduate Studies and Continuing Education Office at (800) 288-2498.

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 experience.

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 résumé, 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 chair. A letter of award is prepared by the Provost and Vice President for Academic Affairs.

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 29 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.

Although none of the "AT" courses fulfill core requirements, BI 131 and BI 132, Anatomy and Physiology I and II (4 credits each), may be used to fulfill Area III core requirements. PS 195, Health Psychology, fulfills 3 credits of Area II requirements. A total of 18 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BI 131</td>
<td>Human Anatomy and Physiology I</td>
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<tr>
<td>BI 132</td>
<td>Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>PS 195</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>AT 100</td>
<td>Introduction to Athletic Training</td>
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<tr>
<td>AT 200</td>
<td>Kinesiology</td>
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<tr>
<td>AT 250</td>
<td>Exercise Physiology</td>
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<tr>
<td>AT 300</td>
<td>Advanced Athletic Training</td>
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<tr>
<td>AT 301</td>
<td>Athletic Training Practicum I</td>
</tr>
<tr>
<td>AT 302</td>
<td>Athletic Training Practicum II</td>
</tr>
</tbody>
</table>

**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 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.

**Co-Op Internship Program**

The experiential education program at Sacred Heart University joins campus and career in an exciting and dynamic way through 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 grade point average 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 businesses, industries, and government or social service agencies. Whether the employer is engaged in highly competitive profit-making activity, or social service work in a non-profit agency, the student employee makes a significant contribution. The dynamic involvement of student, University, and employer provides special benefits to all participants. Work, learn, and grow together is the philosophy of the program.

Sacred Heart University believes that a college degree is not enough in the competitive job market, and that it is important to expose the student to the realities of the workplace. Therefore, the University is continually looking to develop and expand opportunities in this area.

Program information can be obtained by contacting the Career Services staff at (203) 371-7975.
English as a Second Language (ESL) Program

The ESL program meets the needs of the student who speaks a language other than English.

The program includes:
1. Placement testing.
2. A registration interview and summer college orientation.
3. A personal advisor to provide academic counseling on a weekly basis.
4. Individual and small group tutoring at the University Learning Center in reading, writing, and study skills.
5. A specially designed program in ESL language study and communications.

Honors Program

The Honors program offers challenging, interdisciplinary courses for the student who has excelled in academic work. Classes are small to encourage critical, independent thinking. 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 also is eligible to enroll in the program. The objective of the Honors program is to provide an intellectually challenging experience for the student who demonstrates high potential for interdisciplinary learning.

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

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:
1. SAT scores totaling 1000 or more, or exceptionally high scores on University placement tests.
2. High school transcripts and recommendations that indicate the student is an honors candidate.
3. An interview with the director of the program.
4. An entrance essay administered and evaluated by the Faculty of Communication Studies.
The student is eligible for honors courses and the Honors program after Freshman year based on:
1. Recommendations from faculty.
2. A 3.2 QPA.
3. An interview with the director.
4. Completion of EN 012 and CA 021.
The student will be required to maintain his or her status in the Honors program by enrolling in the prescribed sequence of honors courses every year and by maintaining a 3.2 QPA and B or better in honors courses.

**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.

**Pre-Professional Programs**

Sacred Heart University offers Pre-professional programs in Pre-Law and Pre-Medical/Pre-Dental.

**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 Program

The Pre-Medical/Pre-Dental program gives the student the required educational background to pursue a career in medicine, dentistry, or in related 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.

A specially designed post-Baccalaureate Pre-Medical/Pre-Dental program also is available to the student who already has completed a Baccalaureate degree and wishes to pursue a career in science or to apply to a professional school.

For further information on these programs, contact the chairperson of the Faculty of Science, Mathematics, and Computer Science.

Presidential Internship Program

The Presidential Internship is designed to enable a select group of undergraduates to work closely with the President and a faculty mentor to further develop leadership skills and knowledge in the student's designated field. The program challenges the interns to take on responsibilities in the areas of writing, communications, public relations, and organization.

The program is geared to expose and/or reinforce within the interns the values of University commitment, community service, political, religious, and professional leadership. The program also emphasizes opportunities to enhance the interns' knowledge of global, international, and domestic issues, current affairs, peace and justice concerns, and social welfare programs, especially from a leadership perspective.

Eligibility

Candidates for the Presidential Internship Program must meet the following criteria:

1. Be a full-time student with Senior or Junior status.
2. Possess a GPA of at least 3.2 at the time of the internship application.
3. Demonstrate above-average communication skills, leadership potential, and commitment to Sacred Heart University.
4. Have a minimum of 24 credits to complete for a Baccalaureate degree.

Application and Selection

Students interested in applying for the Presidential Internship Program should complete an application form available in (and returnable to) the President's Office. Applicants for the Presidential Internship Program also must have three letters of recommendation forwarded to the President's Office. At least two of these letters must be from current faculty members at Sacred Heart University.

Candidates for the Presidential Internship Program are selected by committee following a detailed interview.

Tuition Stipend

The Presidential Internship Program allows for tuition stipends based on a percentage of the student's full-time tuition. Tuition stipends are given to enable the Presidential Intern to participate fully in the program. Participants are expected
to reduce the number of hours in paid employment to meet the required 12 hours per week in the program. The Sacred Heart University Student Financial Assistance Office will review the financial aid status of each prospective intern. Each will be advised accordingly.

**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 filled in the reserves or on active duty.

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

**Teacher Education Program**

The Education program at Sacred Heart University is administered by the Faculty of Education and offers a professional curriculum approved by the State of Connecticut for certification as elementary and secondary school teachers. Special training is offered within the certification sequence in Nursery School/Day Care.

Prospective teachers must major in an academic discipline, in addition to taking 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 is focused 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 of the Teacher Preparation Programs**

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 of 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 following are the objectives of the Education programs at Sacred Heart University:

1. To promote personal excellence through a solid academic background in the liberal arts.
2. 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.
3. To center the teacher's and administrator's education on the caring for students, resulting in their social, psychological, and cognitive growth.
4. To help teachers and administrators to be able to investigate, to critically analyze, and, with personal commitment, to effect change in anything that is unjust or inadequate regarding American schools.
5. To provide a field-based approach to the education of teachers and administrators in order to integrate theory and practice while developing skill in solving complex problems in an ever-changing society.
6. To prepare teachers on the baccalaureate level to be practically and professionally effective as beginning teachers.
7. To provide an education for teachers on the Master's level that builds upon the accomplishments of the baccalaureate level, and an education on the Sixth-Year level that builds upon the accomplishments of the Master's level.
8. 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.
9. To provide continuing education for teachers and administrators on current issues in American education.
10. 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.

Certification Programs

Elementary and Secondary Education programs have been approved by the State of Connecticut. The Elementary Education program prepares teachers for certification in nursery school through eighth grade for students applying for a license before July 1, 1993. (For specific requirements see your faculty advisor.) In response to state requirements after July 1, 1993 more specialized programs are available as follows: Pre-Kindergarten–Grade 3, Pre-Kindergarten–Grade 6, and Grades 4-8. The Secondary Education program provides a background for certification in Grades 7-12 within the areas of business education, English, history and social studies, mathematics, biology, chemistry, general science, 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:

1. Pass the CONNcept Exam or qualify for waiver by meeting alternative testing requirements. Complete information and test registration materials may be obtained from the
Special Academic Programs

Education Department or Continuing Education Office.

2. Present an essay demonstrating a command of the English language and explaining the reasons for wanting to enroll in the program and emphasizing experience relevant to teaching.

3. Present at least two letters of recommendation from persons able to testify to the candidate's suitability as a prospective teacher.

4. 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.

Elementary School Certification

The program for Elementary School Certification requires the completion of 30 credits, in addition to those required in the student's major.

Required Courses for Elementary Certification Applicants Graduating After July 1, 1993

Pre-Kindergarten–Grade 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 101</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>ED 205</td>
<td>Education of Special Needs Students</td>
</tr>
<tr>
<td>ED 206</td>
<td>Models of Early Childhood Programs</td>
</tr>
<tr>
<td>ED 207</td>
<td>Discipline and Classroom Management</td>
</tr>
<tr>
<td>ED 221</td>
<td>Methods of Teaching Reading and Language Arts</td>
</tr>
<tr>
<td>ED 222</td>
<td>Methods of Teaching Mathematics</td>
</tr>
<tr>
<td>ED 223</td>
<td>Methods of Teaching Social Studies, Science, and Health</td>
</tr>
<tr>
<td>ED 226</td>
<td>Methods of Pre-Academic Readiness</td>
</tr>
<tr>
<td>ED 249</td>
<td>Curriculum in Early Childhood</td>
</tr>
<tr>
<td>ED 250</td>
<td>Creative Play, Movement, and Art</td>
</tr>
<tr>
<td>ED 271</td>
<td>Computers in Education</td>
</tr>
<tr>
<td>ED 391</td>
<td>Student Teaching Seminar: Elementary</td>
</tr>
</tbody>
</table>

Pre-Kindergarten–Grade 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 101</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>ED 152</td>
<td>Education in the United States</td>
</tr>
<tr>
<td>ED 204</td>
<td>Tests and Measurements</td>
</tr>
<tr>
<td>ED 205</td>
<td>Education of Special Needs Students</td>
</tr>
<tr>
<td>ED 207</td>
<td>Discipline and Classroom Management</td>
</tr>
<tr>
<td>ED 221</td>
<td>Methods of Teaching Reading and Language Arts</td>
</tr>
<tr>
<td>ED 222</td>
<td>Methods of Teaching Mathematics</td>
</tr>
<tr>
<td>ED 223</td>
<td>Methods of Teaching Social Studies, Science, and Health</td>
</tr>
<tr>
<td>ED 271</td>
<td>Computers in Education</td>
</tr>
<tr>
<td>ED 387</td>
<td>Children's Literature</td>
</tr>
<tr>
<td>ED 391</td>
<td>Student Teaching Seminar: Elementary</td>
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</table>

Grades 4–8

<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>
</tr>
<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>Discipline and Classroom Management</td>
</tr>
<tr>
<td>ED 221</td>
<td>Methods of Teaching Reading and Language Arts</td>
</tr>
<tr>
<td>ED 222</td>
<td>Methods of Teaching Mathematics</td>
</tr>
<tr>
<td>ED 223</td>
<td>Methods of Teaching Social Studies, Science, and Health</td>
</tr>
</tbody>
</table>

Sacred Heart University
ED 225  Curriculum and Methods of Teaching in the Middle School
ED 271  Computers in Education
ED 387  Children’s Literature
ED 391  Student Teaching Seminar: Elementary

Secondary School Certification

The program for Secondary School Certification requires the completion of 29 credits, in addition to those required in the student’s major.

Required Courses for Secondary Certification Applicants Graduating After July 1, 1993

ED 101  Educational Psychology
ED 152  Education in the United States
ED 204  Tests and Measurements
ED 205  Education of Special Needs Students
ED 207  Discipline and Classroom Management
ED 271  Computers in Education
ED 272  Health in Youth
ED 342  Teaching Reading and Writing in Content Areas
ED 395  Student Teaching Seminar: Secondary

One course in secondary methods

For further specifics about the Teacher Education Program or about advanced teaching degrees and certification programs for those who have already earned a Bachelor’s degree, contact the Faculty of Education at (203) 371-7800.

Unified Program in Nursing

In 1984 the unified program was established between Sacred Heart University and St. Vincent’s Medical Center School of Nursing, now known as St. Vincent’s College of Nursing. The program permits the student matriculated at St. Vincent’s College to simultaneously take courses toward the Baccalaureate degree in Nursing at Sacred Heart University. (For details on course requirements see the section on the Nursing major.)

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 determine 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 innovative Nursing program until the Bachelor of Science degree requirements are met.

For further information about the program, contact the Director of Admissions at St. Vincent’s College of Nursing (203) 576-5513.
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 to examine and critique traditional models of thinking, to expand knowledge, and to develop creative ways of exploring issues related to women and their experiences.

The Women's Studies program supports critical thinking about women's and men's social, economic, cultural, and political roles in the past, present, and future. The student develops an intellectual understanding of the impact of gender as an organizing force in society and explores the meaning and application of this knowledge in his or her own life.

For details on course requirements for a Baccalaureate minor see the section on the Women's Studies minor.
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 and reason, to analyze and 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 23 major fields and 21 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 (Freshman Rhetoric: Shorter Forms) and EN 012 (Freshman Rhetoric: Longer Forms) 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 be used to fulfill this requirement.

- EN 101 (Approaches to Literature). An Introduction to Literature course covering all genres normally fulfills this requirement. Single genre courses such as Introduction to Poetry, etc., will not satisfy this requirement but can be transferred as Core Area B1 credits. For students with 60 or more credits, any two upper division literature courses will satisfy this requirement.

- HI 101 (Civilization). One semester or more of Western Civilization normally fulfills this requirement. Students presenting other history courses should consult with the Chairperson of the Faculty of Humanistic Studies prior to taking HI 101.

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** – Six credits from at least two of the following disciplines:

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

**Area B-2** – Nine credits from at least two of the following disciplines:

- Anthropology
- Psychology
- Economics
- Sociology
- Political Science

**Area B-3** – Two courses from the following with at least one in the natural/physical sciences:

- Biology
- Mathematics
- Chemistry
- Physics
- Computer Science

**Area B-4** – Nine credits from the following two disciplines:

- Philosophy
- Religious Studies

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.

- 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 Bachelor of Arts/Bachelor of Science 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 Bachelor of Arts degree (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 of-
fers language on three levels: First-Year, Intermediate, and Advanced. These credits cannot be used in Area B-1.

For the Bachelor of Science degree (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. As of Fall Semester 1992, 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 Management
Business Marketing
Legal Administration

Chemistry
Basic Program Biochemistry

Computer Science
Information Scientific

Criminal Justice

Economics
English
Communication Literature
Drama Writing
Generalist

Finance

History
International Business
Mathematics
Media Studies
Medical Technology
Nursing
Philosophy
Political Science
Psychology
Religious Studies
Social Work
Sociology
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, or Honors. These are explained in the Special Academic Programs section.

Minor Programs

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

Art
Biology
Business
Chemistry
Computer Science
Economics
English
French
History
Honors
Italian
Mathematics
Media Studies
Music
Philosophy
Political Science
Psychology
Religious Studies
Sociology
Spanish
Women’s Studies
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. Today, professional opportunities in those fields continue to expand in all sectors of the economy. In addition, professional personnel 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

- AC 101 Principles of Accounting I
- AC 102 Principles of Accounting II
- AC 201 Intermediate Accounting I
- AC 202 Intermediate Accounting II
- AC 301 Advanced Accounting I
- AC 302 Advanced Accounting II
- AC 313 Cost Accounting
- AC 314 Managerial Accounting
- AC 321 Auditing I
- AC 322 Auditing II
- AC 383 Federal Taxes I
- AC 384 Federal Taxes II
- BU 231 Business Law I
- BU 232 Business Law II
- BU 241 Business Statistics
- EC 202 Principles of Economics II
- FN 314 Financial Analysis

Required Supporting Courses

- CS 009 An Introduction to Data Processing
- EC 201 Principles of Economics I

Recommended Electives

- BU 201 Organization Management
- MK 261 Principles of Marketing
- 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:

1. A Bachelor's degree from a regionally accredited college.
2. 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:

1. At least 24 semester hours in accounting.
2. At least 3 semester hours each in business law, economics, and finance.
3. A minimum of 13 semester hours in business and accounting electives.

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 areas of fine arts can be explored at Sacred Heart University: 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, architectural graphics, and working in film and television.

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, typography/layout, and drawing.

The painting curriculum 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 the area of concentration.

Required Courses for All Art Concentrations

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>AR 090</td>
<td>Foundation Portfolio</td>
</tr>
<tr>
<td>AR 101</td>
<td>Art in the Western World</td>
</tr>
<tr>
<td>AR 110</td>
<td>Visual Organization</td>
</tr>
<tr>
<td>AR 111</td>
<td>Design: Color</td>
</tr>
<tr>
<td>AR 120</td>
<td>Drawing I</td>
</tr>
<tr>
<td>AR 201</td>
<td>Studies in Modern Art</td>
</tr>
<tr>
<td>AR 220</td>
<td>Drawing II</td>
</tr>
</tbody>
</table>

Additional Required Courses for Graphic Design Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 112</td>
<td>Design: Three-Dimensional Graphics</td>
</tr>
<tr>
<td>AR 130</td>
<td>Painting I</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>AR 131</td>
<td>Watercolor</td>
</tr>
<tr>
<td>AR 160</td>
<td>Foundations in Illustration</td>
</tr>
<tr>
<td>AR 211</td>
<td>Typography/Layout</td>
</tr>
<tr>
<td>AR 212</td>
<td>Graphic Processes</td>
</tr>
<tr>
<td>AR 270</td>
<td>Graphic Design I</td>
</tr>
<tr>
<td>AR 271</td>
<td>Graphic Design II</td>
</tr>
<tr>
<td>AR 370</td>
<td>Advanced Graphic Design</td>
</tr>
<tr>
<td>AR 390</td>
<td>Portfolio Preparation</td>
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</table>

Additional Required Courses for Illustration Concentration

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>AR 130</td>
<td>Painting I</td>
</tr>
<tr>
<td>AR 160</td>
<td>Foundations in Illustration</td>
</tr>
<tr>
<td>AR 211</td>
<td>Typography/Layout</td>
</tr>
</tbody>
</table>
Sacred Heart University

Required Courses for Art Minor with Painting Concentration
AR 221 Drawing III  
AR 230 Painting II  
AR 231 Painting III  
AR 310 Visual Organization  
AR 320 Drawing IV  
AR 330 Painting IV  
AR 350 Senior Project
One course in art history

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

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 our planet.

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

Required Courses
BI 111 Concepts in Biology I  
BI 112 Concepts in Biology II  
BI 220 Introductory Genetics  
BI 230 Microbiology  
BI 399 Senior Seminar
Two courses from the 200 or 300 level (8 credits), and one course from each of the environmental, organismal, and molecular biology areas

Environmental Biology
BI 240 Invertebrate Biology  
BI 260 Marine Biology
### Academic Requirements

**Bioecology**
- BI 350

**Internship**
- BI 360

**Organismal Biology**
- BI 210: Plant Morphology and Function
- BI 212: Animal Development
- BI 235: Histology
- BI 312: Systems Physiology
- BI 360: Internship

**Molecular Biology**
- BI 311: Cell Biochemistry
- BI 320: Advanced Genetics Seminar
- BI 325: Immunology
- BI 330: Virology
- BI 360: Internship

**Required Supporting Courses**
- CH 151: General Chemistry I
- CH 152: General Chemistry II
- CH 221: Organic Chemistry I
- CH 223: Organic Chemistry Laboratory I
- MT 092: Statistics for Decision Making

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**Minor in Biology**

The minor in Biology requires the completion of 24 credits.

**Required Courses for Minor**
- BI 111: Concepts in Biology I
- BI 112: Concepts in Biology II
- CH 151: General Chemistry I
- CH 153: General Chemistry I Laboratory I

Three courses selected from the following:
- BI 210: Plant Morphology and Function
- BI 212: Animal Development
- BI 220: Introductory Genetics
- BI 230: Microbiology
- BI 240: Invertebrate Biology
- BI 260: Marine Biology

### 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.

### 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. Four concentrations are offered in the Business Administration major: International Business, Legal Administration, Management, and Marketing.

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

- AC 101: Principles of Accounting I
- AC 102: Principles of Accounting II
- BU 103: Business: Its Nature and Environment
- BU 201: Organization Management
BU 202  Organizational Behavior
BU 221  Business Communications
BU 231  Business Law I
BU 241  Business Statistics
BU 278  Principles of International Business
BU 301  Business Policy
EC 202  Principles of Economics II
FN 215  Financial Management
MK 261  Principles of Marketing
PD 275  Principles of Production and Inventory Control

**Additional Required Courses for International Business Concentration**
Three international business electives

**Additional Required Courses for Management Concentration**
BU/PH 257  Business Ethics
EC 302  Money and Financial Institutions
One finance elective

**Additional Required Courses for Marketing Concentration**
Three marketing electives

**Additional Required Supporting Courses for All Business Administration Concentrations**
CS 009  Introduction to Data Processing
EC 201  Principles of Economics I

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The Baccalaureate degree in Business Administration with a concentration in Legal Administration trains the student to become a legal administrator competent to handle a wide range of specialized responsibilities in the legal profession. The Legal Administration curriculum, which comprises the first two years of study, reinforces the contemporary approach to the practice of law that assigns managerial functions to a new category of legal professionals. At the completion of this course of study, the student will be prepared for a career in law, business, government, or to pursue a graduate degree.

**Required Courses for Legal Administration Concentration**

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>AC 101</td>
<td>Principles of Accounting I</td>
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<tr>
<td>AC 102</td>
<td>Principles of Accounting II</td>
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<tr>
<td>BU 201</td>
<td>Organization Management</td>
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<td>BU 202</td>
<td>Organizational Behavior</td>
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<td>BU 241</td>
<td>Business Statistics</td>
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<td>EC 202</td>
<td>Principles of Economics II</td>
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<td>LW 101</td>
<td>Criminal Law and Torts</td>
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<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>
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<tr>
<td>LW 161</td>
<td>Legal Office Procedures</td>
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<tr>
<td>LW 201</td>
<td>Business Organizations and Domestic Relations</td>
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<tr>
<td>LW 202</td>
<td>Property and Conveyancing</td>
</tr>
<tr>
<td>LW 203</td>
<td>Estates, Probate, and Taxation</td>
</tr>
</tbody>
</table>

Plus 9 credits independent law study or optional law courses

---

**Minor in Business Administration**

The minor in Business Administration requires the completion of 24 credits.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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 103</td>
<td>Business: Its Nature and Environment</td>
</tr>
<tr>
<td>BU 201</td>
<td>Organization Management</td>
</tr>
</tbody>
</table>
Major in Chemistry

The major in Chemistry requires the completion of 38 major credits, plus 20 credits in the related fields of Mathematics and Physics for the Basic program; and 20 credits in the related fields of Biology, Mathematics, and Physics for the Biochemistry program.

Required Courses for Both Concentrations

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

Additional Required Courses for Basic Program

CH 332 Physical Chemistry II
CH 334 Physical Chemistry Laboratory II
CH 355 Advanced Inorganic Chemistry
Additional Required Supporting Courses for Basic Program

MT 100  Pre-calculus
(waived on examination)
MT 151  Introductory Calculus
MT 152  Mathematical Analysis I
MT 251  Mathematical Analysis II
PY 151  Principles of Physics I
PY 152  Principles of Physics II

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

Additional Required Courses for Biochemistry Program

CH 321  Biochemistry I
CH 322  Biochemistry II
CH 323  Biochemistry Laboratory I
CH 324  Biochemistry Laboratory II
One to two credits of chemistry electives

Additional Required Supporting Courses for Biochemistry Program

BI 111  Concepts in Biology I
MT 151  Introductory Calculus
MT 152  Mathematical Analysis I
and
PY 111  General Physics I
PY 112  General Physics II
or
PY 151  Principles of Physics I
PY 152  Principles of Physics II

In addition to the above courses, a minimum of 10-12 credits in chemistry electives are strongly recommended. Also, BI 112 and two biology courses at the 200 level or higher are required in premed, pre-dental, pre-veterinary, and allied health professions.

Computer and Information Sciences

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 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.

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  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

**Additional Required Supporting Courses for Scientific Concentration**

MT 151  Introductory Calculus  
MT 152  Mathematical Analysis I

**Additional Required Courses for Information Concentration**

CS 155  COBOL Programming  
CS 255  Advanced COBOL Programming  
CS 290  System Analysis and Design  
CS 295  Information Systems and Organization  
CS 300  Data Communication and Systems Networking  
CS 358  Fourth Generation Languages  
BU 201  Organization Management  
AC 101  Principles of Accounting I  
MT 070  Discrete Mathematics  
MT 071*  Quantitative Methods  
Two computer science electives

**Additional Required Supporting Course for Information Concentration**

MT 092  Statistics for Decision Making

**Additional Recommended Supporting Courses for Information Concentration**

AC 102  Principles of Accounting II  
BU 202  Organizational Behavior  
BU 221  Business Communications  
FN 215  Financial Management  
MT 110  Calculus for Decision Making

**Minor in Computer Science**

The minor in Computer Science requires the completion of 24 credits.

**Required Courses for Minor**

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 is designed to give the student 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 101</td>
<td>Introduction to Criminal Justice</td>
</tr>
<tr>
<td>CJ 200</td>
<td>American Constitutional Law</td>
</tr>
<tr>
<td>CJ 201</td>
<td>Criminal Law and Procedure</td>
</tr>
<tr>
<td>CJ 270</td>
<td>Issues and Problems in Criminal Justice</td>
</tr>
<tr>
<td>SO 271</td>
<td>Criminology</td>
</tr>
<tr>
<td>SO 275</td>
<td>Deviance and Social Control</td>
</tr>
<tr>
<td>SO 276</td>
<td>Juvenile Delinquency</td>
</tr>
<tr>
<td>SO 390</td>
<td>Data Analysis for the Social Sciences</td>
</tr>
<tr>
<td>SO 391</td>
<td>Methods of Social Research II</td>
</tr>
</tbody>
</table>

**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. Course of study is created by the student in consultation with his or her advisor.

**Additional Required Courses for Corrections Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 220</td>
<td>Introduction to Corrections</td>
</tr>
<tr>
<td>CJ 221</td>
<td>The Administration of Juvenile Corrections</td>
</tr>
<tr>
<td>CJ 222</td>
<td>The Treatment of the Adult Offender</td>
</tr>
<tr>
<td>CJ 223</td>
<td>Interviewing and Counseling</td>
</tr>
<tr>
<td>CJ 320</td>
<td>Correctional Administration and Management</td>
</tr>
<tr>
<td>CJ 321</td>
<td>Probation and Parole</td>
</tr>
<tr>
<td>CJ 390</td>
<td>Internship (6 credits and permission of the department)</td>
</tr>
</tbody>
</table>

**Additional Required Courses for Law Enforcement Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 230</td>
<td>Introduction to Law Enforcement</td>
</tr>
<tr>
<td>CJ 231</td>
<td>Criminal Investigation</td>
</tr>
<tr>
<td>CJ 235</td>
<td>Law of Evidence</td>
</tr>
<tr>
<td>CJ 238</td>
<td>Police Administration</td>
</tr>
</tbody>
</table>
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 242  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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 265</td>
<td>Shakespeare</td>
</tr>
<tr>
<td>MS 101</td>
<td>Media: The Extensions of Man</td>
</tr>
</tbody>
</table>

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

**Early British Literature Through Seventeenth Century British Literature**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 310</td>
<td>British Literature to 1603</td>
</tr>
<tr>
<td>EN 312</td>
<td>Seventeenth Century British Literature</td>
</tr>
</tbody>
</table>

**Late Seventeenth Century British Literature Through the Romantic Period**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 313</td>
<td>Restoration and Eighteenth Century British Literature</td>
</tr>
<tr>
<td>EN 314</td>
<td>The Romantic Period in British Literature</td>
</tr>
</tbody>
</table>

**The Victorian Period Through Twentieth Century British Literature**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 315</td>
<td>The Victorian Period in British Literature</td>
</tr>
<tr>
<td>EN 316</td>
<td>Twentieth Century British Literature</td>
</tr>
</tbody>
</table>

**Mid-Nineteenth Century Through Twentieth Century American Literature**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 250</td>
<td>Literature in a New Land: American Writing</td>
</tr>
<tr>
<td>EN 255</td>
<td>Early American Black Literature</td>
</tr>
<tr>
<td>EN 256</td>
<td>The American Renaissance</td>
</tr>
<tr>
<td>EN 257</td>
<td>From Dickinson to Eliot: Out of the Woods and into the Wasteland</td>
</tr>
<tr>
<td>EN 258</td>
<td>Faulkner to the Present</td>
</tr>
<tr>
<td>EN 386</td>
<td>Black Writers in America</td>
</tr>
</tbody>
</table>

**Additional Required Courses for Communication Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 121</td>
<td>Advanced Effective Communication</td>
</tr>
<tr>
<td>CA 131</td>
<td>Interpersonal Communication</td>
</tr>
<tr>
<td>CA 171</td>
<td>Acting I</td>
</tr>
<tr>
<td>CA 161</td>
<td>Business Communications</td>
</tr>
<tr>
<td>CA 261</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>CA 270</td>
<td>Nonverbal Communication</td>
</tr>
<tr>
<td>CA 280</td>
<td>Oral Interpretation of Literature</td>
</tr>
<tr>
<td>EN 375</td>
<td>Advanced Composition</td>
</tr>
</tbody>
</table>

**Additional Required Courses for Drama Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 141</td>
<td>Introduction to the Theater</td>
</tr>
<tr>
<td>CA 161</td>
<td>Theater History I</td>
</tr>
<tr>
<td>CA 162</td>
<td>Theater History II</td>
</tr>
<tr>
<td>CA 275</td>
<td>Drama Practicum I</td>
</tr>
<tr>
<td>CA 375</td>
<td>Drama Practicum II</td>
</tr>
</tbody>
</table>

Two courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 151</td>
<td>Story Theater</td>
</tr>
<tr>
<td>CA 171</td>
<td>Acting I</td>
</tr>
<tr>
<td>CA 271</td>
<td>Acting II</td>
</tr>
<tr>
<td>CA 273</td>
<td>Drama Workshop I</td>
</tr>
</tbody>
</table>
CA 274 Drama Workshop II
CA 275 Drama Practicum I
CA 375 Drama Practicum II
CA 280 Oral Interpretation of Literature
EN 230-239 Studies in Drama: Special Topics

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
Five courses from the following:
EN 201 Masterpieces in Literature
EN 207 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 398 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 214 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
or
CA 161 Theater History I
CA 162 Theater History II
CA 275 Drama Practicum I
or
CA 375 Drama Practicum II
EN 265 Shakespeare
Two courses selected from the following:

- CA 151 Story Theater
- CA 171 Acting I
- CA 271 Acting II
- CA 273 Drama Workshop I
- CA 274 Drama Workshop II
- CA 275 Drama Practicum I
- CA 375 Drama Practicum II
- CA 280 Oral Interpretation of Literature
- EN 230-239 Studies in Drama: Special Topics

### Required Courses for Minor with Communications Concentration

- 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

### 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 387 Children's Literature

#### RequiredCourses 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 non-profit 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

- AC 101 Principles of Accounting I
- AC 102 Principles of Accounting II
- BU 201 Organization Management
- BU 202 Organizational Behavior
- BU/CA 221 Business Communications
- BU 231 Business Law I
BU 241  Business Statistics
BU/PH 257  Business Ethics
BU 301  Business Policy
EC 202  Principles of Economics II
EC 302  Money and Financial Institutions
FN 215  Financial Management
FN 251  Corporate Finance
FN 315  Investments
MK 261  Principles of Marketing
And two of the following:
FN 241  Financial Markets: Structure and Performance
FN 314  Financial Analysis
FN 316  International Financial Management
FN 317  Portfolio Management
FN 318  Current Problems in Finance
FN 386  Japan: The Economic and Financial System

Additional Required Supporting Courses
CS 009  Introduction to Data Processing
EC 201  Principles of Economics I

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 others. The analytical ability to think and solve problems and the breadth of knowledge that a major in history provides, 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

Minor in History

The minor in History requires the completion of 18 credits.

Required Courses for Minor
HI 121  United States History to 1865
HI 122  United States History Since 1865

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

Honors
Interdisciplinary Program

The Honors program offers challenging, interdisciplinary courses for the student who has excelled in academic work. With permission of the department, honors courses may be used as credit towards the core, a major, or a minor. Details on selection for the program and its goals are found in the Special Academic Programs section.
Minor in Honors

The student who completes a minimum total of 18 honors credits while maintaining a 3.2 QPA and B or better in honors courses 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.

International Business
Faculty of Management

International business consists of transactions that are carried out across national borders, ranging from export-import trade to licensing, joint ventures, wholly owned subsidiaries, turnkey operations, and management contracts. 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.

Management is the process of planning, organizing, leading, and controlling the efforts of organization members and using all other organizational resources to achieve the organization's goals. Resources include not only people but financial, physical, and information resources.

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 Bachelor of Arts requirements including language.

Required Courses

<table>
<thead>
<tr>
<th>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>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>EC 202</td>
<td>Principles of Economics II</td>
</tr>
<tr>
<td>FN 215</td>
<td>Financial Management</td>
</tr>
<tr>
<td>FN 316</td>
<td>International Financial Management</td>
</tr>
<tr>
<td>IB/BU 203</td>
<td>Intercultural Management</td>
</tr>
<tr>
<td>IB 233</td>
<td>International Business Law</td>
</tr>
<tr>
<td>IB/MK 264</td>
<td>International Marketing</td>
</tr>
<tr>
<td>IB 278</td>
<td>Principles of International Business</td>
</tr>
<tr>
<td>IB/BU 302</td>
<td>Ethics and International Business Policy</td>
</tr>
<tr>
<td>MK 261</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>PD 275</td>
<td>Principles of Production and Inventory Control</td>
</tr>
</tbody>
</table>

Required Supporting Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 103</td>
<td>Survey of Microcomputer Software</td>
</tr>
<tr>
<td>EC 201</td>
<td>Principles of Economics I</td>
</tr>
</tbody>
</table>

Mathematics
Faculty of Science, Mathematics, and Computer Science

This program provides the student majoring in Mathematics with the basic undergraduate requisites for successful ad-
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 Council of 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 Bachelor of Science degree, the Mathematics major must take, in addition to the requirements for a Bachelor of Arts degree in Mathematics, at least two more chemistry or physics courses, 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 for a double major in Mathematics and Computer Science, or for a minor in Computer Science.

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

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MT 151</td>
<td>Introductory Calculus</td>
</tr>
<tr>
<td>MT 152</td>
<td>Mathematical Analysis I</td>
</tr>
<tr>
<td>MT 251</td>
<td>Mathematical Analysis II</td>
</tr>
<tr>
<td>MT 252</td>
<td>Advanced Multi-variable Calculus</td>
</tr>
<tr>
<td>MT 261</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MT 262</td>
<td>Abstract Algebra</td>
</tr>
<tr>
<td>MT 291</td>
<td>Mathematical Probability and Statistics I</td>
</tr>
<tr>
<td>MT 292</td>
<td>Mathematical Probability and Statistics II</td>
</tr>
<tr>
<td>MT 267</td>
<td>Geometry</td>
</tr>
<tr>
<td>MT 351</td>
<td>Real Analysis</td>
</tr>
<tr>
<td>MT 352</td>
<td>Complex Analysis</td>
</tr>
</tbody>
</table>

**Additional Required Supporting Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<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>

**Minor in Mathematics**

The minor in Mathematics requires the completion of 19 credits.

**Required Courses for Minor**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT 151</td>
<td>Introductory Calculus</td>
</tr>
<tr>
<td>MT 152</td>
<td>Mathematical Analysis I</td>
</tr>
<tr>
<td>MT 261</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MT 251</td>
<td>Mathematical Analysis II</td>
</tr>
<tr>
<td>MT 291</td>
<td>Mathematical Probability and Statistics I</td>
</tr>
</tbody>
</table>

**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 technologically competent 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, 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 375</td>
<td>Advanced Composition</td>
</tr>
<tr>
<td>MS 101</td>
<td>Media: The Extensions of Man</td>
</tr>
<tr>
<td>MS 191</td>
<td>History of the Motion Picture I</td>
</tr>
<tr>
<td>or</td>
<td>History of the Motion Picture II</td>
</tr>
<tr>
<td>MS 201</td>
<td>Kinetics: A Study in the Moving Image</td>
</tr>
<tr>
<td>MS/EN 214</td>
<td>News Writing and Reporting</td>
</tr>
<tr>
<td>MS 301</td>
<td>Reading Seminar in Mass Communications</td>
</tr>
<tr>
<td>MS 397</td>
<td>Senior Project</td>
</tr>
</tbody>
</table>

One approved course in literature at the 200 level or higher

Three courses in the production area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 212</td>
<td>Radio Production I</td>
</tr>
<tr>
<td>MS 312</td>
<td>Radio Production II</td>
</tr>
<tr>
<td>MS 213</td>
<td>Video Production I</td>
</tr>
<tr>
<td>MS 313</td>
<td>Video Production II</td>
</tr>
<tr>
<td>MS 215</td>
<td>Film Production I</td>
</tr>
<tr>
<td>MS 315</td>
<td>Film Production II</td>
</tr>
<tr>
<td>MS 216</td>
<td>Photography Production I</td>
</tr>
<tr>
<td>MS 316</td>
<td>Photography Production II</td>
</tr>
<tr>
<td>MS 325</td>
<td>Electronic Journalism II</td>
</tr>
<tr>
<td>MS 333</td>
<td>Scriptwriting</td>
</tr>
<tr>
<td>MS/EN 370</td>
<td>Newspaper Publication</td>
</tr>
<tr>
<td>MS 395</td>
<td>Media Practicum</td>
</tr>
<tr>
<td>MS 396</td>
<td>Internship</td>
</tr>
</tbody>
</table>

Other department-designated and approved courses

Three courses in the theory area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 200</td>
<td>Mass Media: Special Subjects</td>
</tr>
<tr>
<td>MS 293</td>
<td>Alternative Media</td>
</tr>
<tr>
<td>MS 294</td>
<td>Magazine Publication</td>
</tr>
<tr>
<td>MS 295</td>
<td>Electronic Journalism I</td>
</tr>
<tr>
<td>MS 296</td>
<td>Media as Advertising</td>
</tr>
<tr>
<td>MS 297</td>
<td>Public Relations: An Overview</td>
</tr>
<tr>
<td>MS 298</td>
<td>Public Relations: Practical Applications</td>
</tr>
<tr>
<td>MS 381</td>
<td>Images of Women in Film</td>
</tr>
<tr>
<td>MS 390</td>
<td>Television Genres</td>
</tr>
<tr>
<td>MS 391</td>
<td>Film Seminar</td>
</tr>
<tr>
<td>MS 392</td>
<td>Film Genres</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 101</td>
<td>Media: The Extensions of Man</td>
</tr>
<tr>
<td>MS 201</td>
<td>Kinetics: A Study in the Moving Image</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>MS 301</td>
<td>Reading Seminar in Mass Communications</td>
</tr>
</tbody>
</table>

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 stu-
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. Their duties include: performing a broad range of procedures in all general areas of the clinical laboratory, making independent and collaborative judgements, and working in association with physicians and pathologists. In addition, they may supervise and/or teach laboratory personnel.

Medical Technology Program Policy

1. 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.

2. Successful completion of the Medical Technology program is contingent upon admission to and satisfactory 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.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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 51 credits at the University plus 30 credits at the hospital.

Required Courses at the University

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 111</td>
<td>Concepts in Biology I</td>
</tr>
<tr>
<td>BI 130</td>
<td>Fundamentals of Human Anatomy and Physiology</td>
</tr>
<tr>
<td>BI 220</td>
<td>Introductory Genetics</td>
</tr>
<tr>
<td>BI 230</td>
<td>Microbiology</td>
</tr>
<tr>
<td>BI 250</td>
<td>Medical Microbiology</td>
</tr>
<tr>
<td>BI 311</td>
<td>Cell Biochemistry</td>
</tr>
<tr>
<td>BI 325</td>
<td>Immunology</td>
</tr>
<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>ME 154</td>
<td>Introduction to Medical Technology</td>
</tr>
</tbody>
</table>
Additional Required Supporting Courses at the University

CH 221 Organic Chemistry I
CH 223 Organic Chemistry Laboratory I

Required Courses at the Hospital

ME 301 Clinical Microbiology
ME 302 Blood Banking
ME 310 Hematology
ME 315 Clinical Microscopy
ME 325 Clinical Chemistry
ME 330 Immunology and Serology
ME 340 Special Topics in Medical Technology

Modern Foreign Languages

Faculty of Communication Studies

The Modern Foreign Languages program aims to develop in the student a facility in reading and an ability to converse in the language studied in order to encourage continued study of the language. The program also provides knowledge of the literature, history, culture, and psychology of the people whose language is studied.

A variety of courses in Spanish language and literature is offered for both Spanish majors and non-majors. Minor programs are offered in French, Italian, and Spanish. Additional courses are offered in German, Japanese, and Polish. The student attends lab classes weekly in order to become more proficient orally and aurally. The language lab is a necessary adjunct to linguistic methodology. Study abroad is desirable and is made available to those able to participate.

Major in Spanish

The major in Spanish requires the completion of 33 credits.

Required Courses

SP 101 Advanced Spanish Composition and Grammar I
SP 102 Advanced Spanish Composition and Grammar II
SP 201 Spanish Literature I
SP 202 Spanish Literature II
SP 280 Hispanic Civilization: Spain
SP 281 Hispanic Civilization: Spanish America

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

Minor in French

The minor in French requires the completion of 18 credits.

Required Courses for Minor

FR 051 Intermediate French I (may be waived by the department)
FR 052 Intermediate French II (may be waived by the department)
FR 101 French Composition and Grammar I
FR 102 French Composition and Grammar II or
FR 111 Conversational French I
FR 112 Conversational French II

The balance of the credits may be chosen from advanced courses.

Minor in Italian

The minor in Italian requires the completion of 18 credits.
Required Courses for Minor

IT 051  Intermediate Italian I
(may be waived by the department)
IT 052  Intermediate Italian II
(may be waived by the department)
IT 101  Italian Composition
        and Grammar I
IT 102  Italian Composition
        and Grammar II
or
IT 111  Conversational Italian I
IT 112  Conversational Italian II

The balance of the credits may be chosen from advanced courses.

Minor in Spanish

The minor in Spanish requires the completion of 18 credits.

Required Courses for Minor

SP 051  Intermediate Spanish I
(may be waived by the department)
SP 052  Intermediate Spanish II
(may be waived by the department)
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 courses.

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 has 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.

Pre-Nursing

Students planning to apply to a school of nursing receive academic guidance from program faculty and take science
Sacred Heart University

and social science courses prior to making formal application to a school of nursing.

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

Designed for full-time students who wish to earn a Bachelor's degree in Nursing, the 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 defined throughout the entire program of study.

**Major in Nursing**

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

Sacred Heart University anticipates offering a major in Nursing to students entering as Freshmen beginning in the Fall 1993. For more information, contact the director of the Nursing Program at (203) 371-7715.

To receive a Baccalaureate degree in Nursing, the RN must complete 125 credit hours of study, 68 credit hours in prescribed general education courses with a 2.0 quality point average and 57 credit hours in the major. Thirty credits are awarded through validation exams. The professional major is built on a core of humanities, social sciences, and mathematical courses. Prior to entry into the major, specific prerequisite supporting courses must be completed at Sacred Heart University or another accredited college, or by college level examinations.

**Prerequisites**

<table>
<thead>
<tr>
<th>Course</th>
<th>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>MT 050*</td>
<td>Modern College Mathematics I</td>
</tr>
<tr>
<td>PS 101*</td>
<td>General Psychology: Scientific Aspects</td>
</tr>
<tr>
<td>PS 252*</td>
<td>Child Development Psychology</td>
</tr>
<tr>
<td>SO 101*</td>
<td>Principles of Sociology</td>
</tr>
</tbody>
</table>

*College Level Examination/NLN Exams available.

**Required Validation Exams**

Nursing Mobility Profile II
1. Care of the Adult Client
2. Care of the Client During Childbearing and Care of the Child
3. Care of the Client with Mental Disorders

**Validation of Clinical Skills**

**Students graduating from schools participating in the Connecticut articulating plan are exempt.**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NU 200</td>
<td>Foundations of Professional Nursing</td>
</tr>
<tr>
<td>NU 250</td>
<td>Leadership and Management in Professional Nursing</td>
</tr>
<tr>
<td>NU 280</td>
<td>Nursing Research</td>
</tr>
<tr>
<td>NU 320</td>
<td>Advance Nursing Process I</td>
</tr>
<tr>
<td>NU 350</td>
<td>Advance Nursing Process II</td>
</tr>
<tr>
<td>NU 380</td>
<td>Family and Community Nursing</td>
</tr>
</tbody>
</table>

One nursing elective
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 in Area B-4. 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, there are speakers, conferences, and field trips that 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 231 Comparative European Politics
PO 234 Politics of the Middle East
PO 305 Political Profiles

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 in 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 292 Systems and Theories of Psychology
PS 351 Physiological 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 292 Systems and Theories of Psychology

Three psychology electives. Only one experiential course (PS 141, PS 142, PS 181, PS 345, or PS 396) 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 ac-
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 Social Work program provides the student with both analytical and conceptual skills as well as interactional skills which allow him or her to actively 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 and for leadership roles in the social work profession. 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 206 as part of the required Baccalaureate core, since these are prerequisites for certain social work courses.
Required Courses

SO 101 Principles of Sociology
SO 215 Social Psychology: Macroprocesses
SO 260 American Minorities
SW 101 Introduction to Social Work
SW 265 Social Welfare as a Social Institution
SW 266 Social Welfare Policy and Services
SW 267 Human Behavior and the Social Environment I
SW 268 Human Behavior and the Social Environment II
SW 275 Social Work Practice I
SW 276 Social Work Practice II
SW 278 Junior Field Practicum
SW 279 Junior Field Practicum Seminar
SW 378 Senior Field Practicum I
SW 379 Senior Field Practicum Seminar I
SW 380 Senior Field Practicum II
SW 381 Senior Field Practicum Seminar II
SW 390 Research Methods for Social Work

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 gives the student the critical and analytical skills that are highly valued and needed to adjust to the demands of an ever-changing world. In addition, the training 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.

Required Courses

AN 101 Physical Anthropology
or
AN 102 Cultural Anthropology
SO 101 Principles of Sociology
SO 291 Methods of Social Research I
SO 391 Methods of Social Research II
SO 303 Sociological Theories
SO 321 Contemporary Social Thought
SO 397 Senior Seminar in Sociology

Two courses from the following:

SO 206 Society and Economic Issues
SO 215 Social Psychology: Macroprocesses
SO 219 Social Change
SO 231 Marriage and the Family
SO 238 Sociology of Health and Health Care
SO 260 American Minorities

And three sociology elective courses chosen from the remaining four courses listed above or any other sociology course with the exception of SO 121 (Social Problems), which is not a major course.
Additional Required Supporting Courses

All Sociology majors must take three courses in anthropology (other than AN 101 or AN 102), psychology, political science, or economics, with no more than two courses in any one field. These courses can be used to satisfy the Area B-2 requirements of the core curriculum.

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 the two courses required from the group of courses listed above and before selecting the three sociology electives needed to complete requirements for the major.

Minor in Sociology

The minor in Sociology requires the completion of 18 credits.

Required Courses for Minor

AN 101 Physical Anthropology
or
AN 102 Cultural Anthropology
SO 101 Principles of Sociology

Four sociology electives

Women's Studies

The student pursuing the minor in Women's Studies should select five courses (15 credits) from the cross-listed women's studies courses. WS 398 (Women’s Studies Seminar) is a required course and it may be taken upon completion of 12 credit hours in Women’s Studies. In addition to the elective course offerings listed below, other interdisciplinary course offerings dealing with women and gender role issues can be used to fulfill minor requirements with the approval of the Women's Studies program coordinator.

Minor in Women's Studies

The minor program requires 15 credits with no more than 6 credits taken in a particular discipline.

Elective Courses

CJ 211/  
LW 239 Women and the Law
EN 348 Special Topics:  
Women in Literature
MS 381 Images of Women in Film
NU 230 Women's Health
PS 171 Psychology of Women
RS 219 Women in World Religions
RS 273 Women Writers and the Religious Quest
SO 201 Women and Society

Required Course for Minor

WS 398 Women's Studies Seminar
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)-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 Associate of Arts degree in General Studies must complete 60 credits, which include the Associate of Arts 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 grade point average of 2.0 is required. The Associate of Arts degree in General Studies is offered with emphases in:

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

**Core Curriculum**

The core curriculum for the Associate of Arts degree provides the student with the opportunity to experience other disciplines, obtain a background for further study, and gain the knowledge to be a well-rounded and educated human being. In addition to completing six credits from each of the four core areas, the student must demonstrate a proficiency in both written and oral rhetoric as determined by the 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
- Literature
- Foreign Language
- Media Studies
- History

**Area II** – Six credits from at least two of the following disciplines:

- Anthropology
- Psychology
- Economics
- Sociology
- Political Science

**Area III** – Six credits from at least two of the following disciplines (including one natural/physical science):

- Biology
- Mathematics
- Chemistry
- Physics
- Computer Science

**Area IV** – Six credits from the following disciplines:

- Philosophy
- Religious Studies

**Emphasis**

A grade of C or better is required in all emphasis courses. 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 of Biology I
- BI 112 Concepts of Biology II
- BI 220 Introductory Genetics
- CH 050 Fundamentals of Chemistry
- CH 151/153 General Chemistry I/Laboratory I
Two biology electives

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

### 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

### 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
  or
- ED 249 Curriculum in Early Childhood Education
  or
- ED 250 Creative Play, Movement, and Art for Early Childhood
- 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 ad-
visement 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, Latin America, and the Far East

**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 Media: The Extensions of Man
- MS 201 Kinetics: A Study in the Moving Image
- MS 301 Reading Seminar in Mass Communications

One production course and two media studies electives

**Music (15 credits)**
- MU 111 Music in Western Civilization
- MU 112 Music in America
- MU 121 Musicianship I
- MU 122 Musicianship II

Three credits in applied music

**Philosophy (15 credits)**
- PH 101 Introduction to the Problems of Philosophy

Four philosophy electives
Political Science (15 credits)
PO 121  Introduction to American Government
PO 122  Introduction to International Relations
Three political science electives

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

Religious Studies (15 credits)
RS 101  Introduction to the Study of Religion
Four religious studies electives

Sociology (15 credits)
AN 101  Physical Anthropology or
AN 102  Cultural Anthropology
SO 101  Principles of Sociology
Three sociology electives

Spanish (15-17 credits)
SP 011*  First Year Spanish I
SP 012*  First Year Spanish II
SP 051  Intermediate Spanish I
SP 052  Intermediate Spanish II
SP 101  Advanced Spanish Composition and Grammar I
SP 102  Advanced Spanish Composition and Grammar II
and/or
SP 111  Conversation: Topics for Daily Living I
SP 112  Conversation: Topics for Daily Living II
and/or Spanish electives
*Waived for students with two or more years of high school Spanish.

Associate of Science Degree
Sacred Heart University offers the following two-year Associate in Science degrees:
Associate of Science in Banking
Associate of Science in Computer Science
- Computer Science emphasis
- Information Science emphasis
Associate of Science in Legal Assistant
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.
The Associate of Science in Banking requires the completion of 60 credits.

Required Courses at the University
AC 101  Principles of Accounting I
AC 102  Principles of Accounting II
BU 201  Organization Management
EC 201  Principles of Economics I
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: Commercial Law)
CA 021  Effective Communication
(AIB: Effective Communications)
EN 011  Freshman Rhetoric: Shorter Forms
(AIB: Effective English)
EN 012  Freshman Rhetoric: Longer Forms (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 course sequences in order to increase their employment opportunities after graduation.

The Information Science 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CS 011</td>
<td>Introduction to Computer Science</td>
</tr>
<tr>
<td>CS 050</td>
<td>Introduction to Structured Programming</td>
</tr>
<tr>
<td>CS 051</td>
<td>Data Structures</td>
</tr>
<tr>
<td>CS 130</td>
<td>Computer Systems</td>
</tr>
<tr>
<td>EN 011</td>
<td>Freshman Rhetoric: Shorter Forms</td>
</tr>
<tr>
<td>EN 012</td>
<td>Freshman Rhetoric: Longer Forms</td>
</tr>
<tr>
<td></td>
<td>Two computer science electives</td>
</tr>
<tr>
<td></td>
<td>Additional Required Courses for Computer Science Emphasis</td>
</tr>
<tr>
<td>CS 120</td>
<td>FORTRAN Programming</td>
</tr>
<tr>
<td>CS 203</td>
<td>Data Base Design</td>
</tr>
<tr>
<td>CS 210</td>
<td>Software Engineering</td>
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<tr>
<td>CS 220</td>
<td>The Analysis of Algorithms I</td>
</tr>
<tr>
<td>CS 240</td>
<td>Introduction to Systems Programming</td>
</tr>
<tr>
<td>MT 100</td>
<td>Precalculus</td>
</tr>
<tr>
<td>MT 151</td>
<td>Introductory Calculus</td>
</tr>
<tr>
<td>MT 152</td>
<td>Mathematical Analysis I</td>
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<tr>
<td></td>
<td>Three liberal arts electives</td>
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</tbody>
</table>

Additional Required Courses for Information Science Emphasis

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CS 155</td>
<td>COBOL Programming</td>
</tr>
<tr>
<td>CS 210</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>CS 255</td>
<td>Advanced COBOL Programming</td>
</tr>
<tr>
<td>CS 290</td>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>CS 295</td>
<td>Information Systems and Organization</td>
</tr>
<tr>
<td>MT 070</td>
<td>Discrete Mathematics</td>
</tr>
<tr>
<td>MT 071</td>
<td>Quantitative Methods</td>
</tr>
<tr>
<td>MT 092</td>
<td>Statistics for Decision Making</td>
</tr>
<tr>
<td></td>
<td>Four liberal arts electives</td>
</tr>
</tbody>
</table>

Legal Assistant Program

This two-year 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>
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</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 103</td>
<td>Business: Its Nature and Environment</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>Freshman Rhetoric: Shorter Forms</td>
</tr>
<tr>
<td>EN 012</td>
<td>Freshman Rhetoric: Longer Forms</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>PS 101</td>
<td>General Psychology: Scientific Aspects</td>
</tr>
</tbody>
</table>

Four liberal arts electives

**Respiratory Care Program**

Respiratory therapy 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 instructors. 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 American Medical Association's Committee on Allied Health Education and Accreditation.

**Respiratory Care Program Policy**

1. The award of the Associate of Science Degree 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 pass a physical examination given by a physician at the primary clinical affiliate, St. Vincent's Medical Center. This includes testing negative for unauthorized drug use. 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 QPA of 2.0 in all academic (respiratory care and science) 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 QPA of 2.0.

8. Enrollment into professional courses is offered to matriculated students and students granted provisional acceptance by the program director.

**Required Courses**

<table>
<thead>
<tr>
<th>BI 131</th>
<th>Human Anatomy and Physiology I</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 132</td>
<td>Human Anatomy and Physiology II</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>BI 161</th>
<th>Introduction to Microbiology</th>
</tr>
</thead>
<tbody>
<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>Freshman Rhetoric: Shorter Forms</td>
</tr>
<tr>
<td>EN 012</td>
<td>Freshman Rhetoric: Longer Forms</td>
</tr>
<tr>
<td>MT 050</td>
<td>Modern College Mathematics I</td>
</tr>
<tr>
<td>MT 060</td>
<td>Modern College Mathematics II</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>SO 101</td>
<td>Principles of Sociology</td>
</tr>
<tr>
<td>RC 110</td>
<td>Respiratory Care I</td>
</tr>
<tr>
<td>RC 115</td>
<td>Clinical Practice I</td>
</tr>
<tr>
<td>RC 120</td>
<td>Respiratory Care II</td>
</tr>
<tr>
<td>RC 150</td>
<td>Respiratory Care III</td>
</tr>
<tr>
<td>RC 160</td>
<td>Clinical Practice II</td>
</tr>
<tr>
<td>RC 170</td>
<td>Respiratory Care Diagnostics</td>
</tr>
<tr>
<td>RC 210</td>
<td>Respiratory Care Pharmacology</td>
</tr>
<tr>
<td>RC 220</td>
<td>Respiratory Care Pathophysiology</td>
</tr>
<tr>
<td>RC 230</td>
<td>Clinical Practice III</td>
</tr>
<tr>
<td>RC 240</td>
<td>Respiratory Critical Care</td>
</tr>
<tr>
<td>RC 250</td>
<td>Advanced Respiratory Care Diagnostics</td>
</tr>
<tr>
<td>RC 260</td>
<td>Clinical Practice IV</td>
</tr>
<tr>
<td>RC 270</td>
<td>Newborn/Pediatric Respiratory Care</td>
</tr>
<tr>
<td>RC 280</td>
<td>Pulmonary Rehabilitation and Home Care</td>
</tr>
</tbody>
</table>
Sacred Heart University offers credit certificate programs as a short-term goal and as a way to enhance the student's knowledge and skills in a particular area. These programs provide specialized in-depth training and can be later applied to an Associate or Baccalaureate degree program. Programs presently available are: Administrative Information Management, Computer Science, English as a Second Language, Financial Management, and Supervision.

Certificate Program in Administrative/Information Management
The certificate program in Administrative/Information Management prepares professionals to work in and manage an office productively. Individuals with business sense, organizational skills, management know-how, computer ability, and communications expertise are in great demand. The course of study prepares individuals to work in positions as administrative support personnel, potential office managers, trainers, information personnel, etc.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 103</td>
<td>Business: Its Nature and Environment</td>
</tr>
<tr>
<td>BU 201</td>
<td>Organization Management</td>
</tr>
<tr>
<td>BU 210</td>
<td>Office Management for the Administrative Assistant</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>
</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
The Computer Science certificate program provides a foundation for scientific use of computers and data processing applications. The student can earn a certificate by completing six courses from either the regular scientific option or the data processing option, provided that the prerequisites are met.

Required Courses for Both Options

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 011</td>
<td>Introduction to Computer Science</td>
</tr>
<tr>
<td>CS 050</td>
<td>Introduction to Structured Programming</td>
</tr>
<tr>
<td>CS 051</td>
<td>Data Structures</td>
</tr>
</tbody>
</table>

Additional Required Courses for Data Processing Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 155</td>
<td>COBOL Programming</td>
</tr>
<tr>
<td>CS 203</td>
<td>Data Base Design</td>
</tr>
<tr>
<td>CS 210</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>CS 255</td>
<td>Advanced COBOL Programming</td>
</tr>
<tr>
<td>CS 290</td>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>CS 303</td>
<td>Advanced Data Base</td>
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</tbody>
</table>

Additional Required Courses for Scientific Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>FORTRAN Programming</td>
</tr>
<tr>
<td>CS 130</td>
<td>Computer Systems</td>
</tr>
<tr>
<td>CS 211</td>
<td>C Advanced Programming</td>
</tr>
<tr>
<td>CS 220</td>
<td>Analysis of Algorithms I</td>
</tr>
<tr>
<td>CS 240</td>
<td>Introduction to Systems Programming</td>
</tr>
<tr>
<td>MT 151</td>
<td>Introductory Calculus</td>
</tr>
<tr>
<td>MT 261</td>
<td>Linear Algebra</td>
</tr>
</tbody>
</table>
Certificate Program in English as a Second Language

To be eligible for the English as a Second Language certificate program the student must be a non-native speaker of English. The program is designed to assist the non-native 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 family and work setting.

Required Courses

CA 020 Introduction to Effective Communication
EN 006 Freshman Rhetoric: English for Foreign Speakers II
EN 005 Freshman Rhetoric: English for Foreign Speakers I
or
EN 007 Foundations for College English: Reading, Writing and Study Skills

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 non-profit 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. The student who has successfully completed two basic accounting courses, such as AC 101 and AC 102, or their equivalent, are eligible. Each course can be taken for credit. Courses apply to certain Associate degree programs, and can be applied toward a Bachelor of Science degree in Finance.

Required Courses

FN 215 Financial Management
FN 251 Corporate Finance
FN 314 Financial Analysis
FN 315 Investments
FN 316 International Financial Management

Certificate Program in 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

BU 201 Organization Management
BU 202 Organizational Behavior
CA 131 Interpersonal Communication
HR 207 Management of Human Resources
Course Descriptions
AC 101 Principles of Accounting I 3 Crs.
Required introductory course for all Accounting, Business, 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 QPA of at least 2.0, have completed MT 008 or 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 Crs.
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.

AC 201-202 Intermediate Accounting I, II 3 Crs. 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 Crs.
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 Crs.
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 Crs.
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. Prerequisite: AC 202.

**AC 302 Advanced Accounting II 3 Crs.**
Additional sophisticated accounting topics and issues are explored, including: multi-national 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 Crs.**
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 Crs.**
Explores analysis of market costs and cost volume-profit situations, studies 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 Crs.**
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 Crs.**
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 Crs.**
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 Crs.**
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. Prerequisite: 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 Crs.**
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 Crs.
Focuses on the nature and interpretation of the fossil and archaeological record for human biological and cultural evolution. Topics include biological variability, adaptability, human variation, and man's adaption to his environment.

†AN 102 Cultural Anthropology 3 Crs.
An introduction to the field of cultural anthropology. The course provides an understanding of the diverse nature of human society 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 Anthropology of a Changing Culture: America Now 3 Crs.
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 Crs.
Provides an understanding of North American Indian culture which will eliminate the popular, narrow, and ahistoric stereotype of this group through the study of the pre-Columbian development and diversity of North American Indian cultures. Topics include: the nature of and variations resulting from contact with Europeans; impact of European culture and its domination of North American Indian cultures and societies, and contemporary struggles of North American Indians to reassert their rights and the value of their ethnic heritages. Prerequisite: SO 101 or AN 101 or AN 102.

AN 235 Tribal Peoples and Development 3 Crs.
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 280 Native American Literature 3 Crs.
Native American literature is used to develop an understanding of the history, society, and culture of the Native American.

AN 299 Special Topics in Anthropology 3 Crs.
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 Cr.**
Required for Art majors upon completion of foundation courses: AR 110, AR 111, AR 120, and AR 220. Ordinarily 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 Crs.**
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 Crs.**
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 Crs.**
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 Crs.**
A 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 Crs.**
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 Crs.**
Explores the fundamental problems of composition and perception as related to drawing. Experimentation with varied media directed toward both the descriptive and expressive visual conceptualization of ideas.

**AR 130 Painting I 3 Crs.**
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 Crs.**
A beginning course dealing with the basic understanding of various techniques and methods of painting with watercolors. Emphasis on the process as it relates to visually defining nature forms, still life, landscape, and the
human figure. Compositional elements are also stressed. Prerequisite: AR 111 and AR 120.

**AR 155 Basic B/W Photography 3 Crs.**
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 Crs.**
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 Crs.**
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, criticize, and project or prophesize on life in the twentieth century.

**†AR 204 Renaissance Art 3 Crs.**
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 206 Contemporary Art 3 Crs.**
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 210 Design: Letterforms 3 Crs.**
Discovery of the expressive and abstract qualities of letterforms. Exploration of their use in illustration and design formats. Experience in creative lettering and calligraphy. Prerequisite: AR 110.

**AR 211 Typography/Layout 3 Crs.**
An introduction to classical and modern letterforms, the mechanics of type composition, and the fundamentals of layout. Consideration given to the selection of typefaces that enhance the thought and idea. Emphasis is on type specification, copyfitting, and type indication for layout. Prerequisite: AR 110.

**AR 212 Graphic Processes 3 Crs.**
An exposition of printing methods including various processes in platemaking, 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 Crs.**
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. Prerequisite: AR 110 and AR 120.

AR 220-221 Drawing II, III 3 Crs. 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 Crs.
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. Prerequisite: AR 110 and AR 120.

AR 224 Computer Rendering 3 Crs.
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 Crs.
Continues the development of painting techniques with emphasis on pictorial organization and color sensitivity. Focus on development of creativity and individuality including both objective and nonobjective processes and concepts. Prerequisite: AR 130.

AR 231 Painting III 3 Crs.
An advanced study toward the development of individual expression. The exploration of independent compositional ideas and technical means related to content. Critiques and evaluations are constant. Prerequisite: AR 230.

AR 260 Illustration I 3 Crs.
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 Crs.
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 Crs.
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.

†Core Course
AR 264 Advertising Illustration 3 Crs.
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. All media. Prerequisite: AR 261.

AR 270 Graphic Design I 3 Crs.
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 Crs.
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 Crs.
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 Crs.
Involves the use of various techniques employed in presenting ideas to clients in a clear, precise visual language. Special emphasis on the efficient use of markers to prepare quick idea sketches and finished comprehensive rendering in a manner currently used by freelance and studio artists. Prerequisites: AR 111 and AR 220.

AR 274 Computer Graphic Design 3 Crs.
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 Crs.
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. Emphasis on the ability to create effective problem-solving concepts. 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 Crs.
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 Crs.
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 Crs.
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 370 Advanced Graphic Design 3 Crs.
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 Crs.
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 Crs.
An in-depth study for Painting majors. Encompasses problem-solving and technique indicative of the ability to work as a mature and independent artist. Includes preparation and organization of a solo show. Prerequisite: All required art courses in major emphasis.

AR 399 Independent Study 1-3 Crs.
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 Art program director and Art faculty advisor.

Athletic Training/ Sports Medicine (AT)

AT 100 Introduction to Athletic Training 3 Crs.
Provides basic understanding of the care, prevention, and rehabilitation of athletic injuries. Incorporates the fundamentals of first aid and emergency care.

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

AT 250 Exercise Physiology 3 Crs.
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 299 Special Topics in Athletic Training 3 Crs.
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 **Core Course**
shown on the student's transcript. Consult the current course schedule for available topics.

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

**AT 301, 302 Sports Medicine Practicum I, II 3 Crs. Each**
Athletic training clinical experience working with the varsity intercollegiate sports program under the supervision of a certified athletic trainer.

**Biology (BI)**

**tBI 010 The Nature of Life 4 Crs.**
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.

**tBI 020 Heredity and Society 4 Crs.**
A genetics course designed for the non-Science major. Material includes 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.

**tBI 030 The Human Body 3 Crs.**
A non-laboratory, one semester, core course designed especially for the non-Science 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.

**tBI 051 Introduction to Marine Biology 4 Crs.**
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.

**tBI 052 Man and the Environment 4 Crs.**
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.

**tBI 111-112 Concepts in Biology I, II 4 Crs.**
An experimental approach to major concepts in modern biology from both the molecular and descriptive viewpoint. Emphasis on the diversity and relationships of all living organisms. Topics include the origin of life, cellular energetics and metabolism, homeostatic relationships, integration and coordination, mechanisms of heredity, reproduction, and evolution. The course is required of all Biology majors, is open to all Psychology majors, and, with the permission of the department, is open to other qualified students. Three hours of lecture and three hours laboratory per week. Prerequisite: Permission of the department.

†Core Course
**BI 130 Fundamentals of Human Anatomy and Physiology  4 Crs.**
A study of organ systems, their functional interrelationships, control mechanisms, and common disorders involving those systems. Laboratory periods reinforce these concepts through practical applications of the physiological theories and demonstrations and dissection of the anatomical component of the course. Three hours of lecture and three hours laboratory per week.

**BI 131-132 Human Anatomy and Physiology I, II  4 Crs. Each**
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 Athletic Training/Sports Medicine and Nursing students. Three hours lecture and one three-hour laboratory period per week. Non-Athletic Training/Sports Medicine and non-Nursing students are advised to consult instructor before registering for this course.

**BI 161 Introduction to Microbiology  4 Crs.**
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 microorganisms. Required for Nursing students. Three hours of lecture and one three-hour laboratory period per week.

**BI 210 Plant Morphology and Function  4 Crs.**
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 212 Animal Development  4 Crs.**
A study of gametogenesis, embryogenesis, morphogenesis, and evolutionary differentiation among vertebrates. The biochemical control of development and the major systems are considered. 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, CH 152, and CH 154.

**BI 220 Introductory Genetics  4 Crs.**
A study of Mendelian inheritance, the cytological basis of inheritance, and molecular genetics. Three hours of lecture and two hours of seminar per week. Prerequisites: BI 112, CH 151, and CH 153 or permission of instructors.

**BI 230 Microbiology  4 Crs.**
A study of patterns of microbial physiology and ecology. Laboratory concentrates on identification of bacterial species. Three hours of lecture and three hours laboratory per week. Prerequisites: BI 111, CC 151, and CH 153.

**BI 235 Histology  4 Crs.**
A study of the microscopic anatomy of tissues, organs, and cells of the human body designed to provide a basic understanding of the structural correla-
tives of function. The laboratory introduces histological methods and gives practice in the identification of human tissues. Prerequisite: BI 111.

**BL 240 Invertebrate Biology 4 Crs.**
A study of the major invertebrate phyla including a consideration of phylagenetic 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. Prerequisite: BI 112.

**BL 250 Medical Microbiology 4 Crs.**
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 220, CH 222, and CH 224.

**BL 260 Marine Biology 4 Crs.**
An introduction to biological oceanography, interrelations of organisms of the sea, and their physical and chemical environment. Emphasis on the ecology and taxonomy of Connecticut estuarine fauna in the laboratory and on field trips. Three hours of lecture and three hours laboratory/field work per week. Prerequisite: BI 112.

**BL 299 Special Topics in Biology 3 Crs.**
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.

**BL 311 Cell Biochemistry 4 Crs.**
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 includes biochemical analysis, enzyme kinetics, and biochemical pathway studies. Three hours of lecture and three hours laboratory per week. Prerequisite: BI 220, CH 222, and CH 224.

**BL 312 Systems Physiology 4 Crs.**
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. Prerequisite: BI 112.

**BL 325 Immunology 4 Crs.**
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.

†Core Course
BI 340 Comparative Vertebrate Anatomy  4 Crs.
Comparative anatomy of vertebrates in relation to their lifestyle and evolutionary status. System study includes integument, skeleton, muscle, circulation, respiration, digestion, urogenital tract, brain, and peripheral nerves of selected vertebrate types. Three hours of lecture and three hours laboratory per week. Prerequisite: BI 212.

BI 350 Bioecology  4 Crs.
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 afternoon of laboratory/field work per week. Prerequisites: BI 112, CH 152, and CH 154.

BI 360 Internship  3-6 Crs.
A study of a biological topic or of an interdisciplinary project that would provide 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  3-6 Crs.
Individual research projects in the basic areas of biology under the supervision of faculty. Prerequisites: A 3.5 average and permission of the department.

BI 399 Senior Seminar  2 crs.
The capstone course for the biology major. A review of current research and literature of a specialized field of biological science, depending on the expertise of the instructor. A final oral presentation on a selected topic is required for each student. Prerequisite: Senior status.

Business (BU)

BU 103 Business: Its Nature and Environment  3 Crs.
Provides a clear overview of the area of activity known as business. 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 The History of American Business Enterprise  3 Crs.
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, and interplay of business enterprise and other aspects of American society. Qualifies for Area B-1 History credit.

BU 201 Organization Management  3 Crs.
An interdisciplinary study of managerial decision making utilizing behavioral and quantitative approaches. Topics include decision making, motivation and behavior, leadership, group behavior, organizational change, planning, control, and allocation resources. Lectures and case studies. Prerequisites: BU 103, EN 012, MT 080, and Sophomore standing.

†Core Course
BU 202 Organizational Behavior 3 Crs.
Examines the research underlying current theories of organization. Individual, group, intergroup, and other human behavior, and application of social science research to administration are covered. Prerequisite: BU 201.

BU/IB 203 Intercultural Management 3 Crs.
Organizations, both profit and not-for-profit, deal with people of different cultures. Therefore, cultural sensitivity and awareness of different perceptions, values, and traditions must be learned. Within the same nation, there are persons with different cultural backgrounds, and, certainly, culture changes not only from country to country, but even from region to region. To be perceptive towards these differences and to learn not to rely on the self-reference criterion is an essential part of this course. Prerequisites: BU 201 and BU 202.

BU 210 Office Management for the Administrative Assistant 3 Crs.
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 Crs.
A project-oriented course dealing with individual student efforts in all facets of verbal, written, and graphic communication. Assignments required in areas such as business correspondence, executive summary, verbal presentations, and charts. Work assignments are supplemented with audio aids and lectures dealing with grammar and vocabulary development. Prerequisites: C or better in EN 011, EN 012, and CA 021.

BU 231-232 Business Law I, II 3 Crs. Each
A general survey of law, including the legal system, courts and court procedures, the law of contract, agency, partnership, corporations, sales, and employment. Prerequisites: EN 012 and CA 021.

BU/IB 233 International Business Law 3 Crs.
Examines legal aspects of international business transactions. Topics include international trade agreements and government regulations affecting trade between foreign nations. Acquaints the student with the special legal problems involved with international trade. Prerequisite: BU 231.

BU 241 Business Statistics 3 Crs.
Introductory course 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/PH 257 Business Ethics 3 Crs.
For Business majors. 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 Crs.**
Analysis of international trade activity with special emphasis on the business environment. Discusses concepts and constraints associated with developing intercultural managerial effectiveness, recent patterns of world trade, human environment, trade theory, government influence, foreign exchange, international payments, financial markets, the international company, and East-West business. Prerequisite: BU 201 and Senior standing.

**BU 299 Special Topics in Business 3 Crs.**
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 Crs.**
Formulation and administration of policy, integration of the various specialties of business, development of overall management viewpoint. Prerequisite: Senior standing.

**BU/IB 302 Ethics and International Business Policy 3 Crs.**
The capstone course which focuses on the formulation and administration of international business policy and integration of the various business functions in 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 Crs.**
Most individuals sometimes feel the urge to quit their job and start a business of their own. However, being a well-qualified tradesman, a skilled craftsman, or an expert professional does not necessarily equip one to be "his own boss." This course gives the facts needed for managing an enterprise skillfully and profitably.

**BU 399 Independent Study 1-3 Crs.**
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 015 Chemistry for the Artist 4 Crs.**
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.

**tCH 025 Forensic Chemistry  4 Crs.**
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. Three hours of lecture and three hours laboratory/discussion per week. Prerequisite: Criminal Justice major.

**tCH 035 Consumer Chemistry  4 Crs.**
Explores the chemistry of consumer products. Topics include energy production, food and food additives, farm chemistry, chemotherapy and drugs, and household and automotive products. One three-hour lecture and one two-hour laboratory per week.

**tCH 040 Introduction to Environmental Chemistry  3 Crs.**
Discusses the basic principles of chemistry and chemistry's impact on the environment. Topics include the energy and material sources of food products, production, air and water pollution and agriculture and food products, plastics and household products. Emphasis on contemporary problems and the outlook for their solution. One three-hour lecture per week.

**tCH 050 Fundamentals of Chemistry  4 Crs.**
Basic principles of chemistry are discussed. 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 two-hour laboratory/discussion per week.

**tCH 065 Food Chemistry  4 Crs.**
A basic survey of the chemistry of various types of food. Topics include photosynthesis, carbohydrates, proteins, lipids, vitamins, food colorings, fermentation, fruits and vegetables, milk, and meat products. Other areas of discussion are flavor, food additives, food safety, FDA requirements, calories, and food analysis. Three hours of lecture and two hours laboratory/discussion per week. Prerequisite: One year of high school chemistry, CH 050, or equivalent.

**tCH 090 Principles of Chemistry  4 Crs.**
The fundamentals of chemistry and its role and importance to the health sciences. Topics include units of measurements, structure and properties of matter, chemical bonding, solution chemistry, elementary organic, and biochemistry. Two 75-minute lectures per week and one three-hour laboratory or one two-hour discussion on alternate weeks.

**tCH 095 Principles of Organic and Biochemistry  4 Crs.**
An introduction to the basic concepts of organic chemistry followed by an in-depth study of biochemistry. Two 75-minute lectures per week and one three-hour laboratory or one two-hour discussion on alternate weeks.

**tCH 151 General Chemistry I  3 Crs.**
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 050 or equivalent or permission of the chairperson. Corequisite: CH 153.

†CH 152 General Chemistry II 3 Crs.
Explores chemical thermodynamics, chemical kinetics, chemical, and ionic equilibria, electrochemistry, chemistry of the representative elements, transition elements, 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 Cr.
Laboratory experiments are illustrative of the basic concepts presented in CH 151, General Chemistry I. 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 Cr.
Laboratory experiments are illustrative of the basic concepts presented in CH 152, General Chemistry II. Experiments include volumetric and gravimetric methods of analysis. One three-hour laboratory period per week. Corequisite: CH 152.

†CH 221 Organic Chemistry I 3 Crs.
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 and one hour discussion per week. Prerequisites: CH 152 and CH 154. Corequisite: CH 223.

†CH 222 Organic Chemistry II 3 Crs.
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 on organic reaction mechanisms, organic synthesis, and structure determination using spectroscopic techniques. Two 75-minute lectures and one hour discussion per week. Prerequisite: CH 221 Corequisite: CH 224.

†CH 223 Organic Chemistry Laboratory I 1 Cr.
Basic techniques in organic chemistry such as extraction, distillation, re-crystallization, thin layer chromatography, 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 Cr.
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. Prerequisite: CH 223. Corequisite: CH 222.
CH 225 Introduction to Biochemistry  3 Crs.

Presents the basic concepts in biochemistry. Discusses the chemistry of nucleic acids, proteins, lipids, carbohydrates, vitamins, and minerals. The role these chemicals play in metabolic pathways eventually producing elaborate structures of living organisms is introduced. Emphasis on understanding various applications of biochemistry in industry. Prerequisite: CH 221.

CH 245 Safety in the Chemistry Laboratory  1 Cr.

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. Prerequisite: Minimum three, preferably four chemistry courses (12 to 16 credit hours) or permission of the chairperson.

CH 252 Analytical Chemistry  3 Crs.

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, non-aqueous, and oxidation reduction equilibria and titration systems. Two 75-minute lectures per week. Prerequisite: CH 221. Corequisite: CH 254.

CH 254 Analytical Chemistry Laboratory  2 Crs.

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 299 Special Topics in Chemistry  3 Crs.

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.

CH 321 Biochemistry I  3 Crs.

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 Crs.

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.

†Core Course
CH 323 Biochemistry Laboratory I 1 Cr.
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.

CH 324 Biochemistry Laboratory II 1 Cr.
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 Crs.
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, MT 152, or PY 122. Corequisite: CH 333.

CH 332 Physical Chemistry II 3 Crs.
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 Cr.
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 Cr.
A continuation of CH 333. A study of the more advanced techniques of physical chemistry. The aim is to apply the theoretical concepts learned in CH 332 to real chemical systems. One three-hour laboratory session per week. Prerequisite: CH 333. Corequisite: CH 332.

CH 351 Instrumental Analysis 3 Cr.
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 Cr.
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 Crs.
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 390 Special Topics in Chemistry 3 Crs.**

Presents current topics in any of the following: analytical chemistry, biochemistry, organic chemistry, or physical chemistry. Three hours of lecture per week. Prerequisite: Permission of the instructor.

**CH 393 Undergraduate Project 2-3 Crs.**

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 Crs.**

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.

### Communications (CA)

**CA 020 Introduction to Effective Communication 3 Crs.**

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 Crs.**

Explores and analyzes the total communication process (source, message, channel, receiver) through instruction and practice in individual self-expression as well as interpersonal activity sessions, small group communication exercises, and oral interpretation of literature.

**CA 121 Advanced Effective Communication 3 Crs.**

Designed for the student who wishes 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 Crs.**

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, non-verbal communication and group communication. Communication games and student-designed projects add to the course's experiential nature.

**CA 141 Introduction to the Theater 3 Crs.**

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.

†Core Course
CA 151 Story Theater 3 Crs.
Focuses on the origin of the art of storytelling. Students develop such basic performance skills as concentration, relaxation, and spontaneity and apply them to both scripted and nonscripted 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 Crs. 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 Crs.
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 221/BU 221 Business Communications 3 Crs.
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 speaking; memo, letter, and report writing; group communication projects; analysis of communications, and resume writing, and interview preparation. Prerequisites: EN 011, EN 012, and CA 021.

CA 261 Public Speaking 3 Crs.
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 Crs.
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 Crs.
A continuation of the work begun in CA 171 and its application to the process of scene study and the building of characters. Attention given to script analysis, rehearsal techniques, and selected special problems such as Shakespeare, acting styles, and auditioning. Prerequisite: CA 171 or permission of the instructor.

†Core Course
CA 273 Drama Workshop I  3 Crs.
CA 274 Drama Workshop II  3 Crs.
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 Crs.
CA 375 Drama Practicum II  3 Crs.
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 Crs.
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 creative art of oral interpretation. Prerequisite: CA 021.

CA 299 Special Topics in Communications  3 Crs.
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 (CS)

†CS 009 Introduction to Data Processing  3 Crs.
Provides 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 Crs.
Introduction to programming logic using flowcharts, structured flowcharts, and the modular approach; an overview of computers and their functions; an introduction to the VI editor and UNIX operating system. For the Computer Science major.

†CS 050 Introduction to Structured Programming  3 Crs.
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; applications in both business and scientific areas. Prerequisite: CS 011.

CS 051 Data Structures  3 Crs.
A continuation of CS 050 using MODULA 2 to further implement multi-dimensional arrays and other data structures including linked lists, queues, stacks, recursion, and trees. Prerequisite: CS 050.

†Core Course
†CS 103 Survey of Microcomputer Software 3 Crs.
An applications-oriented introduction to the use of Wordstar, dBase III, and LOTUS 1-2-3 on the IBM personal computer. An elective for the non-Computer Science major.

†CS 120 FORTRAN Programming 3 Crs.
An introduction to problem-solving concepts and algorithm design, computers, FORTRAN programming, and applications to a variety of disciplines. Four hours a week of lab required. Prerequisite: CS 051.

CS 130 Computer Systems 3 Crs.
Examination of the hardware and software component comprising computer operating systems. Emphasis on the logical elements that allow multi-processing environments to exist. Prerequisite: CS 051.

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

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

CS 203 Data Base Design 3 Crs.
File structures including sequential, indexed, and direct files. Data base organizations, hierarchical, relational, and ring structures. Two hours a week of lab required. Prerequisite: CS 130.

CS 210 Software Engineering 3 Crs.
Study of software engineering focusing on analysis, requirements, design, implementation, and maintenance. Group projects follow project team concept. Use of automated software tools. Prerequisite: CS 051.

CS 211 Advanced Programming 3 Crs.
Advanced programming techniques with emphasis on applications to the business world and to the social and physical sciences. Prerequisite: CS 051.

CS 213 Advanced Microcomputer Software 3 Crs.
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 Crs.
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 Crs.
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 Crs.
Techniques for sophisticated programming. Assembly language programming

†Core Course
and systems programming languages. Modular construction of big programs. Data structures and storage allocation systems. Prerequisite: CS 220.

**CS 255 Advanced COBOL Programming** 3 Crs.
A continuation of CS 115. Presents segmentation, overlay processing, and efficiency and tradeoffs in coding and program design. Four hours a week of lab required. Prerequisite: CS 155.

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

**CS 295 Information Systems and Organization** 3 Crs.
Establishes the role of information systems in organizations and how they relate to organizational objectives and structure. Uses system point of view and introduces applications for budgeting, accounting, management control, and operational processes. Prerequisites: CS 210 and CS 290.

**CS 299 Special Topics in Computer Science** 3 Crs.
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 Crs.
Development of data communications to the present typical communications, current hardware, and protocol usage. ASYNCH, BISYNCH, SNA/SELC, and X.25 protocols. Local area networks, token rings, digital networks, and teleconferencing. Voice and data communication networks. Transmission media development to the present. Prerequisite: CS 051.

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

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

**CS 323 Theory of Computation** 3 Crs.
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 Crs.
Windowing concepts, client/server models, xt intrinsics, widget resources, and event masks are examined. Prerequisite: CS 211.

**CS 340 Structured Programming Language/Compiler Design** 3 Crs.
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 Crs.
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 Crs.
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 American Constitutional Law** 3 Crs.
The development of the Constitution through interpretations of the Supreme Court. A study of civil rights and civil liberties. Prerequisite: CJ 101.

**CJ 201 Criminal Law and Procedure** 3 Crs.
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 Crs.
Covers the legal entanglements in which people find themselves and considers the rights of middle- and lower-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** 3 Crs.
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).

**CJ 220 Introduction to Corrections** 3 Crs.
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 Crs.
A survey of juvenile correctional institutions. Topics include community treatment programs, juvenile proba-

†Core Course
tion, and after care. Prerequisites: CJ 220 and SO 276 or permission of program director.

**CJ 222 The Treatment of the Adult Offender 3 Crs.**
A survey of adult correctional programs and examination of the treatment of offenders in various correctional institutions. Probation and parole service along with Board of Pardon and Parole are included. Prerequisites: CJ 220 and SO 271 or permission of program director.

**CJ 223 Interviewing and Counseling 3 Crs.**
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 230 Introduction to Law Enforcement 3 Crs.**
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 Crs.**
A study of investigative techniques and an analysis of the relationships of investigative units with other law enforcement units and agencies, sources of information, methods of surveillance, preliminary and follow-up investigation, and preparation and presentation of comprehensive reports of investigation. Prerequisite: CJ 101.

**CJ 235 Law of Evidence 3 Crs.**
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 230 or permission of program director.

**CJ 238 Police Administration 3 Crs.**
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. Prerequisites: CJ 230 or permission of program director.

**CJ 240 Introduction to Security 3 Crs.**
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 Crs.**
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 240 or permission of director.

**CJ 242 White-Collar Crime 3 Crs.**
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 ex-
planation 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 Crs.**
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 240 or permission of program director.

**CJ 244 Security and Loss Prevention 3 Crs.**
Surveys all aspects of loss prevention including: techniques for the prevention and control of shoplifting and employee theft; prevention of robbery, burglary, and fraud. Attention is given to the use of surveillance systems, alarm devices and protective services. Prerequisite: CJ 241 or permission of program director.

**CJ 245 Computer Security 3 Crs.**
Explores methods of detecting computer fraud and examines methods of protecting the computer and its peripherals. Prerequisite: CJ 240 or permission of program director.

**CJ 246 Organized Crime 3 Crs.**
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 Crs.**
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. Thus, a 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 or permission of program director.

**CJ 251 Criminal Courts and Discretion 3 Crs.**
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 Crs.**
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 Crs.**
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

†Core Course
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 Crs.
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 220 or permission of program director.

**CJ 321 Probation and Parole** 3 Crs.
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 220 or permission of program director.

**CJ 330 Police Community Relations** 3 Crs.
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 230 and SO 271 or permission of program director.

**CJ 339 Police Supervision** 3 Crs.
A study of the procedures and techniques related to selection, placement, classification, pay, evaluation, and discipline of police personnel. Detailed discussion of 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 238 or permission of program director.

**CJ 352/PO 352/LW 352 The First Amendment** 3 Crs.
Examines 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 Crs.
Supervised placement in a criminal justice agency. Prerequisite: Permission of the program director.

**Economics (EC)**

**tEC 101 Introduction to Economics** 3 Crs.
Introductory course for the non-Business major. Provides a foundation in the workings of our economy. Describes and analyzes major concepts and issues of macroeconomics and microeconomics. Examines key institutions including the Federal Reserve System, corporations, and labor unions.

**tEC 201 Principles of Economics I** 3 Crs.
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.

†Core Course
tEC 202 Principles of Economics II  3 Crs.
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 Crs.
An analysis of consumers’ and firms’ decisions and their role 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 Crs.
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.

EC 299 Special Topics in Economics  3 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

**TC 322 International Economics** 3 Crs.
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.

**TC 341 History of Economic Thought** 3 Crs.
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.

**TC 342 European Economic Development** 3 Crs.
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.

**TC 344 Comparative Economic Systems** 3 Crs.
A study of the various systems by which societies organize their economic activities. Countries covered include: the former Soviet Union, China, Japan, England, Sweden, and Yugoslavia. Prerequisites: EC 201 and EC 202.

**EC 373 Public Finance** 3 Crs.
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. Expenditure programs, their nature, importance, purpose, and economic effects. Prerequisites: EC 201 and EC 202.

**EC 386 Japan: The Economic and Financial System** 3 Crs.
An examination of the structure and operations of the Japanese economy and its financial system. Students will 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 Crs.
Examines major contemporary economic issues open to both prospective majors and non-majors. Demonstrates how economists deal with the difficult problems of the day. Prerequisites: EC 201 and EC 202.

**Education (ED)**

**ED 101 Educational Psychology** 3 Crs.
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 Crs.
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 Crs.
Focuses on teacher application and interpretation of educational testing. Norm reference, criterion reference, standardized and teacher constructed testing practices are examined, as well as alternative methods of teacher evaluation.

ED 205 Education of Special Needs Students 3 Crs.
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 defined as special according to Public Act No. 84-298.

ED 206 Models of Early Childhood Programs 3 Crs.
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 Discipline and Classroom Management 3 Crs.
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 Crs.
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 effective instruction. Prerequisites: ED 101 and ED 151.

ED 221 Methods of Teaching Reading and Language Arts 3 Crs.
A study of methodology in the areas of reading instruction and language arts. Field experience is an integral part of this course.

ED 222 Methods of Teaching Mathematics 3 Crs.
Includes the techniques of teaching mathematics. Field experience is an integral part of this course.

ED 223 Methods of Teaching Social Studies, Science, and Health 3 Crs.
Includes the techniques of teaching science, social studies, and health. Field experience is an integral part of this course.

ED 225 Curriculum and Methods of Teaching in the Middle School 3 Crs.
Research indicates that middle school children have their own needs. This course focuses on curriculum development and methods of instruction for this target population.

†Core Course
ED 226 Methods of Teaching Pre-Academic Readiness 3 Crs.
Explores methods promoting growth in language, cognition, motor development, and self-help skills. Emphasis on the sequence of math and reading readiness skills, as well as the use of developmental checklists to assess student needs and progress.

ED 249 Curriculum in Early Childhood Education 3 Crs.
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 Crs.
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 262 Secondary Methods: English 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school English. Field experience is required.

ED 263 Secondary Methods: History and Social Studies 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school history and social studies. Field experience is required.

ED 264 Secondary Methods: Spanish 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school Spanish. Field experience is required.

ED 265 Secondary Methods: Business 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school business. Field experience is required.

ED 266 Secondary Methods: Mathematics 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school mathematics. Field experience is required.

ED 267 Secondary Methods: Science 3 Crs.
A comprehensive study of the principles, methods, and materials for teaching junior and senior high school science. Field experience is required.

ED 271 Computers in Education 1 Cr.
This introductory course investigates how computers can be used in the classroom, and how to operate an instructional microcomputer. A hands-on approach to using an educational microcomputer (programming not includ-
ed). Commercial software is demonstrated and criteria for the evaluation of educational software is discussed.

ED 272 Health in Youth 3 Cr.
Focuses on the practical acquisition and application of knowledge of health and safety to enhance the skills necessary to screen and promote the physical, social emotional, and mental well-being of the young.

ED 299 Special Topics in Education 3 Crs.
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.

ED 342 Teaching Reading and Writing in Content Areas 3 Crs.
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 387 Children's Literature 3 Crs.
Examines a variety of children's literature to cultivate student interest in books and to develop methods for incorporating literature into classroom experiences. Criteria for selecting children's books are also considered.

ED 391 Student Teaching Seminar: Elementary 6 Crs.
This 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 elementary school. Related issues such as teacher competencies, evaluation, supervision, and self-assessment; curriculum planning, implementation, evaluation, and situational topics are explored.

ED 395 Student Teaching Seminar: Secondary 6 Crs.
This 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 secondary school. 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 Crs.
Directed individual study of an approved specific problem or special topic not covered by, or that goes beyond the scope of, regular course offerings.

†Core Course
English (EN)

Students registering for English classes must complete the English Placement Exam before they are allowed to enroll in English courses. Placement is based on high school GPAs, decile, rank and SAT scores, as well as on the three-part Sacred Heart University English Placement Exam. The University's objective is to place every student who enters the University into the appropriate English proficiency level in order to maximize student achievement and success.

Once placement has been determined, the student is obliged to accept his or her placement and course sequence. The University deems this policy crucial in meeting the needs of the student and his or her success in college. Additional testing is required for students identified for English as a Second Language (ESL) placement.

EN 005 English for Foreign Speakers I 6 Crs.
EN 006 English for Foreign Speakers II 6 Crs.

Designed to develop fluency in oral and written English for the non-native speaker. Needs are assessed and the student receives instruction based on their individual needs. English Placement/Proficiency Test and Exit Exam required. Does not carry degree credit.

EN 007 Foundations for College English — Reading, Writing and Study Skills 6 Crs.

Within a workshop atmosphere, the student receives intensive instruction in necessary skills. Provides practice in strengthening the reading, writing, and study skills needed for all college-level work. English Placement/Proficiency Test and Exit Exam required. Does not carry degree credit.

EN 008 Intensive Writing 3 Crs.

Involves students in daily writing activities both inside and outside of class to further develop the writing skills needed for all college-level work. Prerequisite: Recommendations of professor and Exit Exam. Does not carry degree credit.

EN 009 Reading Improvement and Study Skills 3 Crs.

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 Freshman Rhetoric: Shorter Forms 3 Crs.

A systematic and practical introduction to the techniques of effective writing. Stresses the rudiments of traditional rhetoric and provides supervised practice in reading and writing of essays in various modes. English Placement/Proficiency Test and Exit Exam required.

†EN 012 Freshman Rhetoric: Longer Forms 3 Crs.

A continuation of EN 011. Deals especially with the writing of argumentative-expository essays and the applica-

†Core Course
tion of advanced rhetorical principles. Training in basic research methods is stressed. Prerequisite: EN 011.

**EN/HN 091-092 English Honors Seminar** 3 Crs. 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 Crs.

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 Crs.

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 Crs.

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 Crs.

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 Crs.

Designed for general electives at the Sophomore level. Description varies each time it is offered. Prerequisite: EN 101.

**EN 207 Studies in Language: Introduction to English Language Study** 3 Crs.

A survey of the major changes in structure, vocabulary, and uses of the language from the earliest times to the pre-
sent. Presents the more important findings of modern linguistic scholarship. Required for secondary education. Prerequisite: EN 012.

**EN/MS 214 News Writing and Reporting** 3 Crs.

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. Prerequisite: EN 012.

**†EN 230-239 Studies in Drama: Special Topics** 3 Crs.

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 Crs.

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 the native American Indian literature reveals another important aspect of our literary tradition. Prerequisite: EN 101.

**†EN 255 Early American Black Literature** 3 Crs.

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 Crs.

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 reads 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 Crs.

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.

**†EN 258 From Faulkner to the Present** 3 Crs.

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 Crs.  
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 Crs.  
Course description varies each time the course is offered. Prerequisite: EN 012 or EN 101.

**EN 299 Special Topics in English**  
3 Crs.  
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.

**EN 310 British Literature to 1603**  
3 Crs.  
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 Crs.  
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 Crs.  
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 Crs.  
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 Crs.  
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 se-
lected but representative texts. Begin-
ning with the poetry and continuing
with the prose, the course concludes
with studies in the Victorian novel. Pre-
requisite: EN 101.

†EN 316 Twentieth Century
British Literature 3 Crs.
Discusses the concept of modernism as
it is shaped and constructed in the mod-
ern classic texts of Conrad, Woolf,
Yeats, Joyce, Lawrence, and others. The
impact of World Wars I and II and other
significant events is examined. Prereq-
uisite: EN 101.

†EN 320-329 Studies in Poetry:
Special Topics 3 Crs.
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 Crs.
Course description varies each time the
course is offered. Prerequisite: EN 101.

EN 370-EN 379 Studies in Writing:
Special Topics 3 Crs.
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 poet-
ry, short stories, fiction, non-fiction,
freelance writing, corporate writing,
journalism, etc. Prerequisite: EN 012 or
permission of instructor.

EN/MS 370 Newspaper
Publication 3 Crs.
An introduction to newspaper publica-
tion, providing editing and publications
practice. Emphasis on copy selection,
copy editing, story placement, headline
writing, use of art, page layout, copy fit-
ting, and use of stylebooks. In addition,
issues affecting newspaper production
are discussed including libel, produc-
tion economics, and legal restrictions
such as copyright and First Amendment
rights. Prerequisite: MS/EN 214 or per-
mission of instructor.

EN 375 Advanced
Composition 3 Crs.
An advanced expository writing work-
shop stressing the discipline of re-
searching, writing, editing, revision,
and meeting specific deadlines. Class
procedures include involvement in
class discussions on strategies of writ-
ing, participation in a one-day-a-week
writing workshop, and completion of
all the assigned writing tasks. Prerequi-
site: EN 012.

†EN 384-385 Studies in Black
Literature: Special Topics 3 Crs.
A detailed study of such black authors
as Hughes, Wright, Ellison, Brooks,
Baldwin, Baraka, and others with atten-
tion to selected themes in four genres.
Prerequisite: EN 101.

†EN 386 Black Writers
in America 3 Crs.
A consideration of black writers from
Dunbar and Chesnutt to the present.
Study of Harlem Renaissance writers,
Wright, Ellison, Hayden, Brooks, Tol-
son, 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. Pre-
requisite: EN 101.

†Core Course
EN/ED 387 Children's Literature  3 Crs.
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 Crs.
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 Crs.
Course description varies. Prerequisite: EN 101.

EN 391 British Literature Seminar  3 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

Finance (FN)

FN 215 Financial Management  3 Crs.
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 Crs.
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 Crs.
FN 299 Special Topics in Finance 3 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

French (FR)

†FR 011-012 First Year French I, II 4 Crs. Each
Intended for students who have no previous education in French. 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 French people and their culture is attained through readings and conversation. Intensive laboratory practice to implement classroom work.

†FR 051-052 Intermediate French I, II 3 Crs. Each
Review and intensified study of structure, reading short works, vocabulary building, composition, and conversation. French culture as reflected in daily life. Laboratory practice. Prerequisite: FR 012 or equivalent.

†FR 101-102 French Composition and Grammar I, II 3 Crs. 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 Crs. Each
An integrated study of French as it is spoken and written today. Prerequisite: FR 052 or equivalent.

†FR 215-216 French Readings and Discussion I, II 3 Crs. Each
Designed to improve reading ability and oral self-expression through selected readings on French culture and civilization, as well as from French authors, followed by discussions and written reports. Additional readings from French newspapers and magazines to suit individual interests.

Freshman Seminar (FS)

FS 101 Freshman Seminar 1 Cr.
Enables students to develop the skills, motivation, and techniques needed to succeed personally and academically. The course stresses writing and communication skills through intellectual inquiry. Includes such survival skills as note-taking, listening, time management, and exam-taking. A Pass/Fail course required for all full-time Freshmen.

German (GE)

GE 011-012 First Year German I, II 4 Crs. 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 conversa-
tion. Intensive laboratory practice to im-
plement classroom work.

**History (HI)**

**tHI 101 Civilizations 3 Crs.**
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 con-
sideration of political structures to the
examination of art, literature, and pop-
ular culture.

**tHI 121 United States History to 1865 3 Crs.**
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 Revolu-
tion and emergence of distinctive na-
tionhood, nineteenth century expan-
sion and economic growth, slavery, and
the War for the Union.

**tHI 122 United States History Since 1865 3 Crs.**
An analysis of the period of Recon-
struction: industrial expansion, trans-
portation, agriculture, labor, and fi-
nance. Place of the United States among
nations, World War I, the Depression,
New Deal, World War II, and post-war
to the present.

**tHI/BU 128 The History of American Business Enterprise 3 Crs.**
Examines the growth and development of business enterprise in America from
colonial times to the present. Topics in-
clude role of the entrepreneur, evolu-
tion of business specialization, rise of
the corporate form and of “big” busi-
ness, notable innovations in manage-
ment and marketing, interplay of busi-
ness enterprise and other aspects of
American society.

**HI 129 The History of Sports in America 3 Crs.**
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.

**tHI 184 Japan’s Economic Miracle: The Economic History of Japan from 1945 to the Present 3 Crs.**
Traces Japan’s economic development from 1945 to the present with emphasis
on the evolution of modern Japanese
business methods. Attention given to
the interactions of traditional Japanese
values and practices with specific man-
agement strategies and the overall busi-
ness environment in order to discern
the relative contributions of each to the
success of Japanese free enterprise.

**tHI 201 Historical Method and Criticism 3 Crs.**
An introduction to the problems of un-
derstanding and explanation in history,
and to the history of historical writing.

†Core Course
Aids to research, techniques, and methods employed by historians and experience in textual criticism.

**tHI 210 Survey of Latin American History 3 Crs.**
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.

**tHI 211 Discovery and Conquest, 1492-1598 3 Crs.**
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.

**tHI 212 Twentieth Century Latin America 3 Crs.**
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.

**tHI 214 French Revolution and Napoleon 3 Crs.**
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.

**tHI 215 Europe, 1815-1914 3 Crs.**
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.

**tHI 216 Princes to Peasants 3 Crs.**
An in-depth approach to the changes within European society from the sixteenth to the end of the nineteenth century. Emphasis on the values and lifestyles of the various European classes such as nobility, bourgeois, working class, and peasantry.

**tHI 217 Twentieth Century Europe 3 Crs.**
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.

**tHI 225 African-American History 3 Crs.**
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.

*†Core Course*
HI 228 The Immigrant Experience 3 Crs.
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 Crs.
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.

HI 238 The Modern Arab World 3 Crs.
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 Crs.
Traces the development of European history from the fourth to the fourteenth century. Topics include the birth of the Middle Ages, Christianity, Byzantine, Islamic, and Carolingian Empires, Feudalism, the Crusades, and the growth of national states.

HI 254 The Renaissance and Reformation 3 Crs.
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 Crs.
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 Present 3 Crs.
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 Crs.
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 Crs.
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.

†Core Course
†HI 281 Introduction to the Civilization of East Asia  3 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

THI 322 United States Foreign Policy 3 Crs.
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.

THI 391 Internship Program 3-6 Crs.
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 Crs.
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 Crs.
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 Crs. 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-HN 202 Humanities Seminar 3 Crs. Each
A year-long seminar focusing on special themes in the Humanities.

THN 203 Honors Seminar in the Social Sciences 3 Crs.
A semester-long seminar focusing on a topic or issue in the social/behavioral sciences.

THN 204 Honors Seminar in the Natural Sciences 3 Crs.
A semester-long seminar focusing on a topic or issue in the natural/physical sciences.

HN 301 Honors Seminar in Religious Studies/Philosophy 3 Crs.
A semester-long seminar focusing on a topic/issue in Religious Studies or Philosophy.

HN 399 Independent Study 3 Crs.
A semester-long independent study project in the student’s major. Requires permission of department chair and the director of the Honors program.

Human Resources (HR)

HR 207 Management of Human Resources 3 Crs.
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.

†Core Course
HR/LW 236 Employer/Employee Law 3 Crs.
Provides an understanding of certain legal aspects that pertain to employment of personnel/human resources. Includes an introduction to legislation and the regulatory process, equal employment opportunity, Working Persons' Compensation, job health, and safety. Emphasis on compensation and benefit plans. Instruction is through case study and analysis of pre-prepared employment documents.

HR 299 Special Topics in Human Resources 3 Crs.
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 Crs.
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 Crs.
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.

International Business (IB)

IB/BU 203 Intercultural Management 3 Crs.
In today's global economy, cultural sensitivity, and awareness of different perceptions, values, and traditions is an important part of business etiquette. Students learn how to be perceptive toward these differences and not to rely on self-reference criterion. Prerequisites: BU 201 and BU 202.

IB/BU 233 International Business Law 3 Crs.
Explores legal concepts as they apply to domestic and international business transactions. Contracts, distributor agreements, product liability, patents, trademarks, copyrights, anti-bribery, and anti-boycott laws. Prerequisite: BU 231.

IB/MK 264 International Marketing 3 Crs.
Explores cultural, political, economic, and legal aspects of the development and operation of companies selling and marketing overseas. The process of planning, organizing, and controlling international marketing programs is reviewed. Other topics include marketing systems in different countries, restraints of trade, deceptive acts, and consumerism. Prerequisite: MK 261.

IB/BU 278 Principles of International Business 3 Crs.
An analysis of international trade activity with special emphasis in the business environment. Concepts and constraints as-
associated with developing intercultural managerial effectiveness, recent patterns of world trade, human environment, trade theory, government influence, foreign exchange, international payments, financial markets, the international company, and East-West business. Prerequisite: BU 201 and Senior standing.

**IB 299 Special Topics in International Business 3 Crs.**
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 Crs.**
Focus on the formulation and administration of international business policy and integration of the various business functions in international context. Prerequisite: Senior standing.

**IB 391 International Business Seminar 3 Crs.**
Special topics related to the current events of the period. Research required on the selected topic (i.e. European Union, Japan, Inc., Trade Area: 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.

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**Italian (IT)***

**IT 011-012 First Year Italian I, II 4 Crs. Each**
Intended for students who have no previous education in Italian. 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 Italian people and their culture is attained through readings and conversation. Intensive laboratory practice to implement classroom work.

**IT 051-052 Intermediate Italian I, II 3 Crs. Each**
Review and intensified study of structure, reading of short works, vocabulary building, composition, and conversation. Prerequisite: IT 012 or equivalent.

**IT 101-102 Italian Composition and Grammar I, II 3 Crs. Each**
More complex grammar; enrichment of vocabulary; and improvement of proficiency in speaking, reading, writing, and translating based on literary and cultural texts. Prerequisite: IT 052 or equivalent.

**IT 111-112 Conversational Italian I, II 3 Crs. Each**
An integrated study of Italian as it is spoken and written today. Intensive oral practice, pronunciation, vocabulary, reading, comprehension, short speeches, and group discussions. Prerequisite: IT 052 or permission of instructor.

**IT 215-216 Italian Readings and Discussion I, II 3 Crs. Each**
An advanced language course with equal emphasis on improved skills in reading, writing, and speaking. Intro-
duction to Italian culture and civilization through readings and discussions of selected Italian writings.

Japanese (JP)

**JP 011-012 Elementary Japanese I, II** 3 Crs. Each
An introduction to modern Japanese. Pronunciation drill, grammar, and conversation practice with an introduction to the “hira-gana” writing system. Additional language laboratory sessions required.

Legal Assistant (LW)

**LW 101 Criminal Law and Torts** 3 Crs.
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 Crs.
General survey of contract law, definitions and classifications of contracts, capacity of parties, legal effect of offer, acceptance, and consideration. 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 Crs.
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, and the West key number system. 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 Crs.
Gives the paralegal a working knowledge of the Connecticut Rules of Practice and Procedure. Emphasis on learning to draft pleadings, motions, memo­randa of law, and appellate briefs. The code of Professional Responsibility is examined through class discussion and hypothetical examples. Course must be taken in conjunction with LW 102.

**LW 161 Legal Office Procedures** 3 Crs.
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 Crs.
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 princi-
ules 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 Crs.
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.

LW 203 Estates, Probate, and Taxation 3 Crs.
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 Crs.
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 Constitutional Law 3 Crs.
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 Crs.
In-depth discussion of the arrest powers held by various criminal justice personnel and of the major principles of search and seizure.

LW/HR 236 Employer/Employee Law 3 Crs.
Examines the legal aspects pertaining to employment of personnel/human resources, including an introduction to legislation and the regulatory process, equal employment opportunity, Working Persons’ Compensation, job health, and safety. Emphasis on compensation and benefit plans. Instruction is through case study and analysis of pre-prepared employment documents.

LW 237/CJ 210 Family Law 3 Crs.
Explores the legal entanglements in which people find themselves and the rights of middle- and lower-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 Crs.
Discusses the differences between civil and criminal litigation, courts and their jurisdiction, substantive law, investigation of facts, commencement of law suit, and preparation of pleadings and motions. Also discovery, preservation of facts and preparation for trial, decisions and settlement, post-trial motions and appeals, techniques of legal research, file maintenance, and docket control. Prerequisite: Sophomore standing.

†Core Course
LW 239/CJ 211 Women and the Law 3 Crs.
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, education, criminal law, family law, and reproductive freedom (contraception, abortion, and sterilization).

LW 240 Intellectual Property Law 3 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

† Core Course
LW/PO 325 Politics, Law, and Judicial Behavior 3 Crs.
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.

LW 352/PO 352 The First Amendment 3 Crs.
Examines 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 on a variety of issues involving civil liberties.

Marketing (MK)

MK 261 Principles of Marketing 3 Crs.
The basic course in investigating the components of the marketing mix. The comprehensive managerial approach is employed and cases 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 Crs.
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 Crs.
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 Crs.
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 286 Consumer Motivation 3 Crs.
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 process of arriving at buying decisions is appraised at both the retail and nonretail levels. Prerequisite: MK 261.

MK/LW 296 Marketing/Consumer Law 3 Crs.
An overview of marketing and consumer law. Discussion of contract law and the law of sales (Article 2 of The Uniform Commercial Code). Topics in-
elude sales practices, product liability, pricing, consumer credit, patents, copyrights, and trademarks.

**MK 299 Special Topics in Marketing**  3 Crs.
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 Crs.
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 segments of the firm. 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 Crs.
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 Crs.
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 Crs.
Presents fundamental concepts of arithmetic, including whole numbers, fractions and decimals. Algebraic concepts including 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 Crs.
Presents 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 Crs.
Presents set theory, logic, systems of numeration, real number system, finite mathematical systems, algebraic concepts, and equations and inequalities. Prerequisite: C or better in MT 005 or Math Placement Test.

† Core Course
†MT 060 Modern College Mathematics II 3 Crs.
Presents systems of equations and inequalities, matrices, probability and introductory statistics. Prerequisite: C or better in MT 050 or equivalent.

†MT 070 Discrete Mathematics 3 Crs.
Designed for Computer Science majors. Topics include functions 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 Crs.
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 Crs.
Presents inequalities, 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 Crs.
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 hypothesis.

†MT 092 Statistics for Decision Making 3 Crs.
Emphasizes the use of computer software for the analysis of data and the performance of statistical tests. Prerequisite: MT 050.

† Core Course

†MT 100 Precalculus 4 Crs.
Designed for the prospective Mathematics or Computer Science major without the proper background to take MT 151. Topics include set theory and symbolic logic, definition of function and algebra of functions, polynomial and rational functions, and analytical trigonometry. Prerequisite: Math Placement Test.

†MT 110 Calculus for Decision Making 3 Crs.
Presents limits, differentiation, integration, and applications of the calculus. Prerequisite: C or better in MT 080. Designed specifically for the Business major.

†MT 151 Introductory Calculus 4 Crs.
First credit course for Mathematics majors. Topics include differential and integral calculus of the elementary functions with associated analytic geometry, limit and approximation, technique and applications of differentiation, area and integral, and applications. Prerequisite: C or better in MT 100.

†MT 152 Mathematical Analysis I 4 Crs.
A continuation of MT 151. Topics include limits of functions, implicit and inverse functions, methods of integrations, 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 Crs.
A continuation of MT 152, introduces 3-dimensional analytic geometry, multivariable calculus, real valued functions...
of several variables, limits and continuing in $\mathbb{E}^n$, 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 (Formerly MT 201) 3 Crs.**

Presents mappings from $\mathbb{E}^n$ to $\mathbb{E}^m$, 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 Crs.**

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. Prerequisites: MT 151 and permission of the department.

**MT 262 Abstract Algebra 3 Crs.**

Continuation of MT 261. 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. Prerequisite: MT 152.

**MT 267 Geometry 3 Crs.**

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 Crs.**

Presents probability as a mathematical system, random variables and their distributions, sequences of random variables, Markov chains, stochastic processes. Other topics include statistical inference, estimation, regression, and analysis of variance. Prerequisite: MT 251.

**MT 292 Mathematical Probability and Statistics II 3 Crs.**

A continuation of MT 291. Prerequisite: MT 291.

**MT 299 Special Topics in Mathematics 3 Crs.**

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.

**MT 351 Real Analysis 3 Crs.**

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.

↑Core Course
MT 352 Complex Analysis 3 Crs.
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, conformed mappings, boundary value problems, and integral transforms. Prerequisite: MT 351.

Media Studies (MS)

†MS 101 Media: The Extensions of Man 3 Crs.
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.

†MS 191-192 History of the Motion Picture I, II 3 Crs. Each
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.

MS 212-212 Radio Production I, II 3 Crs. 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 201 Kinetics: A Study in the Moving Image 3 Crs.
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 200 Mass Media: Special Subjects 3 Crs.
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.

†MS 213-213 Video Production I, II 3 Crs. Each
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. First semester requires the student to conceive and produce individual final video projects using portable equipment; second semester is built around multi-camera studio productions. Prerequisite: MS 101.

†Core Course

MS/EN 214 News Writing and Reporting 3 Crs.
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: MS 101 and EN 012.

**MS 215-315**  
**Film Production I, II**  
3 Crs. 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 Crs. Each  
An introduction to the fundamentals of color slide photography. Topics include camera care and handling, visual literacy, composition, the nature of light, existing and artificial light, color, portraiture, incandescent light, and experimental photography. Second semester expands into multi-image sound-slide production. Prerequisite: MS 101.

**MS 294 Magazine Publication**  
3 Crs.  
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 I**  
3 Crs.  
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 213.

**MS 297 Public Relations: An Overview**  
3 Crs.  
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 Crs.  
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 Crs.  
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 Crs.  
An interdisciplinary study of contemporary theories of mass communications. Course presents an overview of the impact of mass communications by consid-

†Core Course
ering them as codes, symbolic systems, and manipulative powers on both the conscious and subconscious levels. Reading, writing, discussion, and research are required. Prerequisite: MS 101.

**MS 333 Scriptwriting 3 Crs.**

An introduction to writing for fiction and non-fiction 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 Crs.**

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 214 or permission of instructor.

**MS 381 Images of Women in Film 3 Crs.**

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 these 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.

**MS 390 Television Genres 3 Crs.**

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.

**MS 391 Film Seminar 3 Crs.**

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.

**MS 392 Film Genres 3 Crs.**

A study of particular film forms, including the western, the gangster film, science fiction, the horror film, comedy, documentary, 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 Crs.**

Examines individual film directors whose contributions to the history of the cinema have been especially notable. Film directors will be studied for their stylistic and philosophical innovations, as well as for their historical place in the medium. Each semester a particular director will be chosen for study.

**MS 395 Media Practicum 1-3 Crs.**

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 permiss-
sion of the Chairperson of the Faculty of Communication Studies. Offered only when appropriate projects are available.

**MS 396 Internship** 1-6 Crs.  
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 Crs.  
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 which might be used as a demonstration of his or her ability to communicate through media.

**MS 399 Independent Study** 1-3 Crs.  
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.

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**Medical Technology (ME)**

**ME 154 Introduction to Medical Technology** 1 Cr.  
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. Also included in the course are proper interviewing techniques and proper resume writing. Only for Medical Technology students.

**The following courses are taken at the hospital:**

**ME 301 Clinical Microbiology** 8 Crs.  
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 Crs.  
Introduction to human blood groups, compatibility testing, component therapy, and their relation to transfusion. Emphasis on problem solving.

**ME 310 Hematology** 5 Crs.  
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 Cr.  
Principles of the diagnostic procedures for urine, spinal fluids, feces, gastric contents, and other body fluids.

**ME 325 Clinical Chemistry** 8 Crs.  
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 Crs.  
A study of the immune response in health and disease and the use of current techniques for the determination of antigen-antibody reactions.

†Core Course
ME 340 Special Topics in Medical Technology 2 Crs.
Investigation of a special medical technology and/or related topic.

Military Science (MI)

MI 131 Introduction to ROTC 1 Cr.
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 Cr.
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 Cr.
An introduction to styles of leadership and management. Map reading, land 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 Cr.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

Music (MU)

†MU 102 History of Jazz 3 Crs.
An analysis survey of jazz styles from African sources to the present.

†MU 111 Music in Western Civilization 3 Crs.
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 Crs.
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 Crs.
Music notation and reading. Construction and function of scales, intervals and triads, correlated ear training, sight singing, keyboard, and creative exercises.

†MU 122 Musicianship II 3 Crs.
Harmony, including seventh and ninth chords, non-harmonic tones, and modulation. Advanced ear training, keyboard harmony, and analysis. Prerequisite: MU 121.

MU 130-139 Applied Music 1-2 Crs.
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 Cr.
Private instruction in selected instruments or voice. One half-hour lesson per week. Level 1 fee required.

MU 132 Private Lessons 2 Crs.
Private instruction in selected instruments or voice. One hour lesson per week. Level 2 fee required.

MU 133 Chorus 1 Cr.
Mixed chorus open to all students, performing a variety of styles with emphasis on contemporary music.

MU 134 Chamber Orchestra 1 Cr.
Admission by audition to performers on woodwind, brass, or string instruments.

MU 135 Ensemble 1 Cr.
Ad hoc ensembles formed according to student interest. Admission by audition.

MU 136 Concert Band 1 Cr.
Admission by audition to performers on woodwind, brass, and percussion instruments.

MU 299 Topics in Music 3 Crs.
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
Nursing (NU)

NU 200 Foundations of Professional Nursing 2 Crs.
Designed as a bridge course for the Nursing major. Explores the historical development of nursing and the changing role of the nurse in the health care delivery system. Selected conceptual models and the organizing framework of this program are introduced.

NU 210 Power, Politics, and Profession 3 Crs.
This course increases the student's ability to utilize political action for effecting change within the health care delivery system. A study of policy making and lobbying prepares the student to analyze national, state, and community health care systems. The student will develop strategies to influence political bodies considering action which will directly impact the delivery of health care within the State of Connecticut.

NU 220 Working with Groups 3 Crs.
Introduces the student to theories and practices used in group counseling. These basic principles and techniques are experienced, analyzed, and evaluated.

NU 230 Women's Health 3 Crs.
Presents the broad range of health situations and concerns that most women face during their lifetime. The student recognizes how his or her personal experiences with health care systems and past and current health status influence the professional nursing practice with female clients as well as how they function within the system in which they work. Intrinsic and extrinsic factors that affect level of health, and resources which can maximize health potential are identified.

NU 240 Computer Applications in Health Care 3 Crs.
An overview of computer applications in nursing and health care. Emphasis on basic concepts of computer technology, information processing, and hands-on experience using the computer. Applications include aspects of patient's care, education, research, administration, and clinical practices using computer-assisted instruction, interactive video, data bases, spreadsheets, word processing, and information system.

NU 241 AIDS and Addiction 3 Crs.
This course, designed for teachers and nurses, 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—available and needed. The course encourages development of self-awareness in the respective professional role.

NU 250 Leadership and Management in Professional Nursing 3 Crs.
Examines the principles of nursing leadership and management applied to various health care settings and professional nursing roles. Emphasis on decision making, change, and communication theories and processes that affect the role of the nurse leader.

† Core Course
NU 280 Nursing Research 3 Crs.
Prepares Nursing students to incorporate research, its purpose, methods, and outcomes, into the practice of professional nursing. While the course is largely quantitative in focus, qualitative methods also are discussed. Additional content areas are the ethical, legal, and historical considerations of nursing research.

NU 299 Special Topics in Nursing 3 Crs.
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.

NU 320 Advanced Nursing Process I 3 Crs.
Utilizing the Dimensional Interaction conceptual framework of the Nursing program, this course focuses on comprehensive health assessment. The student uses the diagnostic reasoning process to formulate nursing diagnoses based on the North American Nursing Diagnosis Association (NANDA) nomenclature. Adequate data collection and careful evaluation for diagnostic and planning purposes are stressed. The nursing laboratory is used.

NU 350 Advanced Nursing Process II
— Theory 2 Crs.
— Clinical 4 Crs.
Increases 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. Course stresses teaching and learning, research-based intervention, and evaluation of patient care using a quality assurance model. Classroom and clinical experiences provide the student opportunities to apply theory to practice.

NU 380 Family and Community Nursing
— Theory 3 Crs.
— Clinical 4 Crs.
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 to families and the community are identified. The effectiveness of nursing practice is explored in relation to the problems, priorities, attitudes, and resources of the individual, family, and the community.

Philosophy (PH)

tPH 101 Introduction to the Problems of Philosophy 3 Crs.
Philosophy is defined for the beginning student through an exploration of the branches of philosophy and their respective problems.
†PH 211 Logic 3 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

†PH 231 Philosophy of Knowledge 3 Crs.
A study of the conditions that make knowledge possible and the criteria of truth and falsity. Prerequisite: PH 101.

†PH 241 Medieval Philosophy 3 Crs.
A study of the main thinkers of the Latin Middle Ages showing their origins in Greek philosophy and the Biblical world-view. Special attention given to the nominalist, neo-Platonist, and Scholastic traditions. Prerequisite: PH 101.

†PH 250 Historical Survey of Philosophy II 3 Crs.
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 Crs.
An introductory study of the problems, language, and reasoning appropriate to the inquiry into the nature of morality. Prerequisite: PH 101.

†PH/LW 253 Philosophy of Law 3 Crs.
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. Prerequisite: PH 101.

†PH 255 Political Philosophy 3 Crs.
Addresses the perennial question of political philosophy—whether or not men, and women can know and found 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 Crs.
Analyzes critically some representative views of the social role of technology. In doing so it addresses two fundamen-
tal questions: First, what are the nature and extent of technology's impact on social institutions and individual lives? Second, to what degree is this impact beneficial and to what degree harmful? Prerequisite: PH 101.

TPH/BU 257 Business Ethics 3 Crs.
An investigation of 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. The question of whether a special ethic should apply to business situations is addressed. Prerequisite: PH 101.

TPH 270 Philosophical Anthropology 3 Crs.
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.

TPH 272 Introduction to Metaphysics 3 Crs.
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.

TPH 283 The Philosophy of God 3 Crs.
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 Crs.
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.

TPH 306 Existentialism 3 Crs.
A study of nineteenth and twentieth century existentialism, especially the thought of Kierkegaard, Nietzsche, Heidegger, and Sartre. Prerequisite: PH 101.

TPH 312 Philosophical Foundations of Marxism 3 Crs.
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.

TPH 322 American Philosophy and Culture 3 Crs.

TPH 382 Problems in Contemporary Philosophy 3 Crs.
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 Crs.**
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 Crs.**
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 Crs.**
An elementary physics course designed for non-science 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 Crs.**
An introductory course in descriptive astronomy for non-science 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 Crs.**
An introductory, non-calculus 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 Crs.**
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 Crs.**
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 Crs.**
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.

*Core Course*
**Sacred Heart University**

**Course Descriptions**

**PY 152 Principles of Physics II**
4 Crs.
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.

**Political Science (PO)**

**tPO 121 Introduction to American Government**
3 Crs.
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.

**tPO 122 Introduction to International Relations**
3 Crs.
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.

**tPO 212 American State and Local Government**
3 Crs.
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.

**tPO 215 Political Parties**
3 Crs.
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.

**tPO/LW 216 Congress and the Legislative Process**
3 Crs.
Examines Congress, its constitutional powers, historical development, internal processes, and culture as well as external influences—executive branch, interest groups, public opinion, and elections.

**tPO 217 The American Presidency**
3 Crs.
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.

**tPO 218 The Politics of Presidential Elections**
3 Crs.
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.

**tPO 231 Comparative European Politics**
3 Crs.
A comparative analysis of the governments and politics of France, Germany, the former Soviet Union, and the United Kingdom. Similarities and differences are explored with respect to the patterns of modernization, political culture, political behavior, and political institutions.

†Core Course
†PO 234 Politics of the Middle East 3 Crs.
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 242 International Organizations 3 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
Explores the modern political thinkers from Machiavelli to contemporary times. Treatments of Machiavelli, Hobbes, Locke, Rousseau, Hegel, and Marx.

†PO 303 Modern Political Ideologies 3 Crs.
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 Crs.
A study of the emergence, personality, and impact of major twentieth century political figures.

†PO/LW 321 Public Administration 3 Crs.
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.

†Core Course
†PO 322 American Public Policy 3 Crs.
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 Crs.
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 Crs.
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 341 International Law 3 Crs.
Traces the development of international law by reviewing principles and cases in major topical areas.

†PO 351/LW 234/CJ 200 Constitutional Law 3 Crs.
An inquiry into American constitutional law through the study of outstanding cases. Attention given to the development of constitutional doctrines and the processes of legal reasoning.

†PO 352/LW 352/CJ 352 The First Amendment 3 Crs.
Examines 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 Crs.
Offers valuable field experience in public organizations, the mass media, and political campaigns as well as in municipal, county, state, and national government. In all instances, permission for an internship must be secured in advance.

PO 395 Seminar in Political Science 3 Crs.
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 Crs.
Guided study of a topic that goes beyond normal course offerings under the direction of a member of the Political Science faculty. Approval of Director of Political Science program required. By special arrangement.

Polish (PL)

†PL 011-012 Elementary Polish I, II 3 Crs. Each
Introduction to Polish stressing pronunciation, aural comprehension and basic conversation, fundamental principles of grammar, training in reading, comprehension, and writing.

†Core Course
Production (PD)

PD 275 Principles of Production and Inventory Control 3 Crs.
A comprehensive survey of the techniques and rationale of production and inventory control. Covers forecasting, inventory management, production planning, scheduling, and control. Prerequisites: BU 201 and BU 241.

Psychology (PS)

tPS 101 General Psychology — Scientific Aspects 3 Crs.
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.

tPS 102 General Psychology — Psychodynamics 3 Crs.
Topics include personality development and assessment, person perception, interpersonal attraction, conformity, and behavior disorders. Prerequisite: PS 101.

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

tPS 132 Adjustive Behavior 3 Crs.
Considers development and function of groups, the way groups and individuals influence each other, interpersonal relationships such as marriage and occupa-
tion, and resources for personal growth and change. Studies applications of concepts for effective behavior. Prerequisite: Any psychology course.

tPS 135 Drugs and Behavior 3 Crs.
Examines the relationship between drugs and behavior as manifested in the characteristics and activities of psychoactive drugs, drug users, and society as a whole. Prerequisite: PS 101.

PS 141 Expanding Human Awareness I 3 Crs.
A positive focus group experience designed to increase awareness of oneself and others. Current research in the field also will be evaluated. Does not satisfy Baccalaureate core or major requirements.

PS 151 Statistics for the Behavioral Sciences 3 Crs.
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 non-parametric tests of significance, and an introduction to analysis of variance. Prerequisite: C or better in MT 060.

PS 152 Research Design and Analysis 3 Crs.
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.

†Core Course
**PS 161 Psychological Evaluation** 3 Crs.
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 Crs.
A survey and examination of current research and theories about women and sex roles. Topics include attitudes toward women, motherhood, mother-daughter and father-daughter relationships, women and work, sexuality, marriage, love, and the biology of women. Prerequisite: PS 101.

**PS 191 Paranormal Psychology** 3 Crs.
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 Crs.
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 215 Social Psychology: Microprocesses** 3 Crs.
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 Crs.
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 Crs.
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 Crs.
Traces biological, psychological, and social factors in child development from birth to pre-puberty with emphasis on cognitive, emotional, and personal social functioning. Prerequisite: PS 101.

**PS 260-269 Experimental Psychology** 3 Crs.
A series covering research techniques and literature in a particular area of psychology. Laboratory work is included. Six credit hours are required for major.

**PS 261 Perception**
**PS 262 Learning**

†Core Course
PS 263 Sensation
PS 264 Emotions
PS 265 Cognition
PS 266 Social Psychology
PS 267 Motivation

¿PS 272 Adolescent-Old Age Psychology 3 Crs.
An interdisciplinary study of the development and behavior of the human being from puberty to old age. Includes issues and problems relevant to adolescence, developmental tasks of adulthood and middle age, psychological characteristics of the elderly, and the psychology of death and dying. Prerequisite: PS 101.

¿PS 273 Adolescent Development 3 Crs.
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 Crs.
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 Crs.
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 292 Systems and Theories of Psychology 3 Crs.
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 Senior standing.

¿PS 299 Special Topics in Psychology 3 Crs.
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 Crs.
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 Crs.
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 Crs.
Presents principles of test theory in psychology; validity, reliability, and stan-
standardization of tests; survey of representative types of tests and measurements. Prerequisite: PS 101.

**tPS 351 Physiological Psychology 3 Crs.**

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 390-395 Psychological Research 1-6 Crs.**

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 Crs.**

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.

**tRS 101 Introduction to the Study of Religion 3 Crs.**

A critical and constructive study of the nature of religion, its functions in human life, and its various forms and manifestations.

**tRS 210* Modern Biblical Criticism and the Gospels 3 Crs.**

An in-depth analysis of the development of modern biblical criticism and its impact on understanding the gospels of the New Testament.

**tRS 211* Introduction to the Hebrew Bible 3 Crs.**

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.

**tRS 213* Comparative Religion 3 Crs.**

A comparative study of the central themes in the major religions of the world—Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam. Prerequisite: RS 101.

**tRS 214* Introduction to Eastern Religions 3 Crs.**

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.

**tRS 215* Biography in World Religions 3 Crs.**

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.

**tRS 219* Women in World Religions 3 Crs.**

Readings in works by and about women in the various religious traditions of the East and West as well as al-
ternative forms of modern women’s spirituality and the religious experiences of American women of color.

**tRS 223* Paul** 3 Crs.
Examines the life and letters of Paul, his understanding of man, the world, and the reality of God and His justice. Prerequisite: RS 101.

**tRS 224* The Gospel of John** 3 Crs.

**tRS 229* The Historical Jesus** 3 Crs.
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.

**tRS 230* The Death and Resurrection of Jesus** 3 Crs.
Traces the development of the traditions of the death and resurrection of Jesus as they are found in the gospels of Matthew, Mark, Luke, and John. Prerequisite: RS 101.

**RS 232* Contemporary Religious Thinkers** 3 Crs.
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.

**tRS 240* Understanding Theology** 3 Crs.
An introduction to the nature and role of theology. Investigates both academic or "public" theology and confessional or church-centered theology.

**RS 241 History of Christian Ethics** 3 Crs.
A survey of the most important thinkers and documents in the history of Christian ethical reflection.

**tRS 243* The Development of Christian Thought** 3 Crs.
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).

**tRS 245* Contemporary Roman Catholic Thought** 3 Crs.
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.

**tRS 246* Constructing the Concept of God** 3 Crs.
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.

**tRS 248* Contemporary Protestant Thought** 3 Crs.
A survey of some of the most important Protestant theologians of the nineteenth
and twentieth centuries, including Kierkegaard, Schleiermacher, Barth, and Tillich. Prerequisite: RS 101.

**RS 249 Contemporary Jewish Thought** 3 Crs.
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 Crs.
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 Crs.
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 Crs.
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 Crs.
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.

**RS 263* Summer Institute** 3 Crs.
Consult Religious Studies Department for course topics. Prerequisite: RS 101.

**RS 265* Problems in the Philosophy of Religion** 3 Crs.
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.

**RS 268* Classics of Western Spirituality** 3 Crs.
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.

**RS 270* Religion, Business, and Society** 3 Crs.
Challenges arising from modern corporate business technology as viewed within the context of an incarnational theology of work and social responsibility are presented. Prerequisite: RS 101.

**RS 273* Women Writers and the Religious Quest** 3 Crs.
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.

†Core Course
†TRS 275* Death 3 Crs.
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.

†TRS 289 Religion, War, and Peace 3 Crs.
An examination of various attitudes toward war and peace embraced by Christian tradition and by other religions.

†TRS 291 Religious Themes in Contemporary Fiction 3 Crs.
Explores the religious dimensions in the fiction of writers such as Cynthia Ozick, John Cheever, Toni Morrison, and Italo Calvino. Prerequisite: RS 101.

†TRS 292* Film Seminar: Religion in Film 3 Crs.
Examines the “religious dimensions” of a wide range of films. The course considers both subject matter and style/techniques. Prerequisite: RS 101.

†TRS 294* Elementary New Testament Greek 3 Crs.
Introduction to the nominal and verbal systems of Hellenistic Greek as a basis for reading the Greek New Testament. Prerequisite: RS 101.

RS 299 Special Topics in Religion 3 Crs.
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.

†TRS 301 Roman Catholic Ecclesiology 3 Crs.
An investigation of Catholic thinking and teaching about the nature of the Church. Prerequisite: RS 101.

†TRS 302 The Roman Catholic Sacraments 3 Crs.
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 Crs.
Provides an 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. Assessment of the pulmonary patient concludes this course.

RC 115 Clinical Practice I 1 Cr.
A laboratory/clinical course designed to introduce the student to basic respiratory care equipment and procedures used in the field of respiratory care.

RC 120 Respiratory Care II 2 Crs.
An introduction to the concepts of medical gas physics and Respiratory Care gas administration systems. Medical gases, regulators, and 02 delivery systems are discussed. Prerequisite: RC 110.

RC 150 Respiratory Care III 3 Crs.
Provides an in-depth explanation of the theory, function, and maintenance of devices used to provide routine respira-
tory care. Emphasis on airway management and pulmonary clearance modalities. Prerequisite: RC 120.

**RC 160 Clinical Practice II** 2 Crs.
A clinical course incorporating basic therapeutic procedures and equipment used in delivering respiratory care to hospitalized patients. Prerequisite: RC 115.

**RC 170 Respiratory Care Diagnostics** 3 Crs.
A comprehensive study of arterial blood gas analysis, fluid/electrolyte balance, and electrocardiography; and their relationship to cardiopulmonary homeostasis. Prerequisites: CH 090 and CH 095 or permission of the instructor.

**RC 210 Respiratory Care Pharmacology** 3 Crs.
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 Crs.
Provides diagnostic and assessment skills in the treatment of pulmonary diseases with emphasis on clinical application to the field of respiratory care. Prerequisite: RC 110.

**RC 230 Clinical Practice III** 3 Crs.
A clinical course designed to provide experience in all routine patient care modalities, with an introduction to intensive care and emergency room treatment. The student is exposed to such specialty areas as anesthesia, radiology, emergency care, and laboratory analysis of arterial blood samples. Prerequisite: RC 160.

**RC 240 Respiratory Critical Care** 3 Crs.
Provides training in the current technology used in mechanical ventilatory support. An in-depth explanation of the mechanical and functional operation of ventilators included. Indications, hazards and complications for continuous mechanical ventilation of the patient are stressed. Prerequisite: RC 150.

**RC 250 Advanced Respiratory Care Diagnostics** 3 Crs.
An in-depth study of blood flow through the cardiopulmonary system with emphasis on hemodynamic monitoring. Course also provides comprehensive study of the procedures and equipment used in the diagnosis of pulmonary disease. Prerequisite: RC 170.

**RC 260 Clinical Practice IV** 3 Crs.
A clinical 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, and the pulmonary function and cardiac catheterization laboratories. Prerequisites: RC 230 and RC 240.

**RC 270 Newborn/Pediatric Respiratory Care** 2 Crs.
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.

**RC 280 Pulmonary Rehabilitation and Home Care 2 Crs.**
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.

**Social Work (SW)**

**SW 101 Introduction to Social Work 3 Crs.**
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 professional 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 Crs.**
Provides the theory and experience necessary to develop effective interpersonal skills. The material 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 Crs.**
Provides an understanding of the family as a primary social system in society. The student examines the process of family development over its life span and explores the problems and challenges at each stage of development. Interactional patterns between parents and children and techniques of family problem-solving are also covered.

**SW 131 Meeting the Needs of the Elderly 3 Crs.**
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 140 Human Sexuality 3 Crs.**
Explores the issues associated with human sexuality and how they relate to current factors in society. Investigates human sexuality as an integral part of human functioning and the development of relationships. Emphasis on physiological and psychological aspects of sexual functioning; values and attitudes; behaviors and dysfunctions; and sexually transmitted diseases. Current treatment modalities are examined within the context of social work practice.

**SW 150 Child Sexual Abuse: Myths and Realities 3 Crs.**
Examines the problem of child sexual abuse in American society from the historical, legal, moral, and treatment per-
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. Explores the many forms of 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 Crs.
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.

**SW 266 Social Welfare Policy and Services** 3 Crs.
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 institutional discrimination such as racism, sexism, and ageism. Prerequisites: SO 206, SW 265, and PO 121

**SW 267 Human Behavior and the Social Environment I** 3 Crs.
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, psychological, socioeconomic, and cultural influences on development; understanding of human diversity; and identification and assessment of situations in which people need help. Prerequisites: Junior standing, BI 010 or BI 030; PS 101, SO 101 and SW 101.

**SW 268 Human Behavior and the Social Environment II** 3 Crs.
A study of human diversity and its development through interaction with social systems. Emphasis on family, group, community, and organizational systems and their impact on human development and behavior through interaction with one's environment; and assessment of individuals, groups, families, communities, 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 Crs.
An introduction to the generalist model of social work practice designed to provide knowledge of social work practice, a structural analysis of its purposes, 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, problem assessment, goal setting, intervention, and other skills are taught. Prerequisites: Junior standing and SW 101.

**SW 278 Junior Field Practicum** 4 Crs.
Intermediate Social Work majors (Juniors) are assigned two days per week
in a human service agency where field instructors offer professional supervision. The Junior Practicum is designed to help the student learn how to enter a social agency as a professional social worker making contact with clients, and linking these clients with resources within and outside the agency. Prerequisite: Departmental evaluation for admission to intermediate major status and corequisite: SW 279.

**SW 279 Junior Field Practicum Seminar 2 Crs.**
Facilitates, reinforces, and supports learning in the Practicum. Guides the student in the process of directing his or her own learning and assists in the early professional socialization of the student.

**SW 299 Special Topics in Social Work 3 Crs.**
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.

**SW 375 Social Work Practice II 3 Crs.**
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 practice, knowledge, values, and skills necessary to implement planned change. Prerequisite: SW 275. Corequisites: SW 378 and SW 379.

**SW 378-380 Senior Field Practicum I and II 4 Crs. Each**
Taken during last two semesters, this course assigns Senior students two days per week in 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. Prerequisite: Evaluation for admission to degree candidacy status. Corequisites: SW 379 and SW 381.

**SW 379-381 Senior Field Practicum Seminar I and II 2 Crs. Each**
Taken concurrently with SW 378–380, 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 Crs.**
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

†Core Course
of the relationship between research and theory to problem-solving in social work, creation of a research proposal related to Senior Field Practicum, and the ability to read and interpret research articles. Prerequisite: Junior standing.

Sociology (SO)

†SO 101 Principles of Sociology 3 Crs.
An introduction to the study of human behavior as shaped by the contexts of groups, society, and culture. Presents basic terminology, concepts, theories, and methods of sociology as an empirical science.

†SO 121 Social Problems 3 Crs.
The practical merit of sociology is demonstrated as current problems, such as drug abuse in American society, and are explored in terms of sociological concepts, theories, and analyses. Potential solutions to the problems are discussed, as well as the social barriers for successful resolutions. Prerequisite: None (not a major course).

†SO 201 Women and Society 3 Crs.
Emphasis on the contemporary status of women in American society. A brief historical review of the social origins of gender roles is presented. The continued impact of gender differentiation on women’s participation in the institutional structures of contemporary society is analyzed. Prerequisite: SO 101.

†SO 206 Society and Economic Issues 3 Crs.
Designed for anyone 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, declining productivity, the shrinking of the middle class, poverty, economic factors behind pollution, and the Third World debt crisis. Prerequisite: SO 101.

†SO 215 Social Psychology: Macroprocesses 3 Crs.
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 101.

†SO 219 Social Change 3 Crs.
Examines the dynamics of contemporary social change through the analysis of such factors as the media, population distribution, technological advances, social, political, and religious movements. Changes in the world system also are analyzed. Prerequisite: SO 101.

†SO 231 Marriage and the Family 3 Crs.
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 101.

†SO 238 Sociology of Health and Health Care 3 Crs.
An introduction to the social nature of illness in contemporary society, the patchwork health care system in the United States, and the changing roles of health care providers. Emphasis on problems associated with rising costs and the increasing unequal care in our

†Core Course
**Medical System.** Prerequisite: SO 101.

**SO 260 American Minorities 3 Crs.**
A sociological analysis of minority status and the life chances of minority groups in the United States. Provides the theoretical framework needed to understand the experiences and relationships of racial, ethnic, gender, age, and emerging minorities with the dominant culture. The viability of cultural pluralism in the United States is explored. Prerequisite: SO 101.

**SO 271 Criminology 3 Crs.**
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 101.

**SO 275 Deviance and Social Control 3 Crs.**
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 101.

**SO 276 Juvenile Delinquency 3 Crs.**
Examines the social meaning of juvenile delinquency and the diverse types of delinquent behavior such as alcohol and drug addiction, auto theft, violence, and others. 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 101.

**SO 291 Methods of Social Research I 3 Crs.**
The scientific method as applied in social research. Field research, content analysis, experimental research, and evaluation research. The student reviews and assesses previous studies, conceptualizes variables, and analyzes available statistics in preparation for the design of his or her own research. Prerequisite: 9 credits in Sociology (SO 101 and two other Sociology courses).

**SO 299 Special Topics in Sociology 3 Crs.**
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.

**SO 303 Sociological Theories 3 Crs.**
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: SO 101 and Junior standing.

**SO 321 Contemporary Social Thought 3 Crs.**
This seminar follows SO 303 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 303.

SO 390 Data Analysis for the Social Sciences 3 Crs.
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. Social science statistical software is used in computer applications. Prerequisites: C or better in MT 060 (or equivalent), CS 009.

SO 391 Methods of Social Research II 3 Crs.
A continuation of SO 291. Special emphasis on survey research and opinion polling. Sampling and measurement of variables, questionnaire design, data collection, coding and data processing, and use of computer software for statistical analysis are covered. The logic of univariate, bivariate, and multivariate analysis is studied. Students conduct their own survey, analyze the data, and write a research report. Prerequisite: SO 291.

SO 397 Senior Seminar in Sociology 3 Crs.
Provides students with an opportunity to synthesize their sociological knowledge through researching, writing, and defending a sociological thesis. The theme for the seminar varies from year to year. Prerequisite: Senior standing.

Spanish (SP)

†SP 011-012 First Year Spanish I, II 4 Crs. 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 Crs. 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 Crs. Each
Writing controlled compositions based on selections previously read and discussed. Vocabulary building. Practice in using patterns and structures found in the reading. Course culminates in the writing of free compositions. Prerequisite: SP 052.

†SP 111-112 Conversation: Topics for Daily Living I, II 3 Crs. 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. Use of audiolingual aids in the laboratory is required. Prerequisite: SP 051 or equivalent.
†SP 201-202 Spanish Literature I, II  3 Crs. Each
Reading of 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. Use of audiolingual aids in the laboratory is required. Prerequisites: SP 101 and SP 102 or permission of chairperson.

†SP 215-216 Spanish Readings and Discussion I, II  3 Crs. 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 Crs.
A study of the sounds of the language. Drill for the improvement of pronunciation and intonation. Recommended for all Spanish majors and those who expect to teach Spanish. Use of audiolingual aids in the laboratory is required. Prerequisites: SP 101 and SP 102.

†SP 280 Hispanic Civilization: Spain  3 Crs.
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. Audiovisual materials are used. Prerequisites: SP 101 and SP 102.

†SP 281 Hispanic Civilization: Spanish America  3 Crs.
Designed to promote understanding of the Spanish-American people through the different periods of their history, of their behavior patterns, and their reactions to political, religious, and economic problems. Selected readings. Student presentation of research on various countries. Audiovisual materials are used. Prerequisites: SP 101 and SP 102.

†SP 282 Puerto Rico: Su Lengua Y Su Cultura  3 Crs.
A study of Puerto Rico, its people, culture, and language as shown in its literature and political history.

†SP 283 The Hispanic Caribbean  3 Crs.
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 the outstanding figures in these areas.

†SP 284 El Dictador en la Novela Hispanoamericana del Siglo XX  3 Crs.
Centers on an analysis of selected novels from the post-modernism to the present. Emphasis on the works of M.L. Guzman, M.A. Asturias, A. Roa-Bastos, J. Rulfo, and G.G. Marquez. Close study of texts and evaluation of movements. Prerequisite: SP 102 or permission of the chairperson.

SP 299 Special Topics in Spanish  3 Crs.
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

†Core Course
shown on the student’s transcript. Consult the current course schedule for available topics.

**tSP 315-316 Conversation: Contemporary Issues I, II 3 Crs. Each**
Course sequence designed to improve mastery of spoken Spanish. Discussions based on current materials: books, newspapers, magazines, and filmstrips dealing with life in the Spanish world, both here and abroad. Prerequisites: SP 111 and SP 112.

**tSP 341 Contrastive Linguistics: Spanish-English 3 Crs.**
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.

**tSP 351-352 Masterpieces of Spanish-American Literature I, II 3 Crs. Each**
Reading of the great works of Spanish-American literature from the colonial period to the present. Lectures and reports based on the works studied. Recordings of outstanding authors and critics. Prerequisites: SP 201 and SP 202 or permission of the chairperson.

**Women’s Studies**

**WS 398 Women’s Studies Seminar 3 Crs.**
Interdisciplinary course which integrates knowledge of gender, assisting ongoing exploration of gender issues and the way they shape our lives.

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**Tenured effective 9-1-93
**Tenured Faculty**  
**Tenured effective 9-1-93**
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard M. Grigg</td>
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<tr>
<td>*Richard M. Grigg</td>
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<td>Religious Studies</td>
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</tr>
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</tr>
<tr>
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<td>Computer Science</td>
</tr>
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</tr>
<tr>
<td>*Pearl Jacobs</td>
<td>Director, Criminal Justice Program</td>
<td>Associate Professor</td>
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</tr>
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</tr>
<tr>
<td>*Robert M. Kelly</td>
<td>Associate Professor</td>
<td>Accounting</td>
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</tr>
<tr>
<td>*William B. Kennedy</td>
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</tr>
<tr>
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<td>University Librarian</td>
</tr>
<tr>
<td>*Dorothy Kijanka</td>
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<tr>
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<tr>
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<tr>
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Anne Marshall, A.S., R.R.T.
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Lisa May, B.A., R.R.T.
Senior Clinical Instructor

Cheryl Morgan, B.S., R.R.T.
Senior Clinical Instructor

Andrew Napolitano, B.S., R.R.T.
Senior Clinical Instructor

Janet Nicholas, B.S., R.R.T.
Senior Clinical Instructor

Ronald Ryan, B.B.A., R.R.T.
Senior Clinical Instructor

Heidi Sandrowski, B.S., R.R.T.
Senior Clinical Instructor

Rodney Seaman, R.T., A.S.
Senior Clinical Instructor

Steven Tarnoczy, B.S., R.R.T.
Senior Clinical Instructor

Nick Wasco, B.S., R.R.T.
Senior Clinical Instructor
Faculty Emeriti

Elizabeth M. Kelly  
Professor Emeritus  
Psychology  
B.A., M.A., New York University;  
Ph.D., Fordham University  
(1965, Ret. 1970)

Amos Nannini  
Professor Emeritus  
Mathematics  
B.A., Dottore in Mathematics, University of Pisa, Italy  
(1967, Ret. 1978)

Alice Przybylski  
Professor Emeritus  
Music  
B.M., Alverno College of Music, Wisconsin State Teachers College  
(1964, Ret. 1977)

Maria S. Quintero  
Professor Emeritus  
Spanish  
Bach. Ltr. and Sci., Official Government Institute of Havana, Cuba;  
Ed.D., Ph.D., University of Havana, Cuba  
(1965, Ret. 1975)

Jacques M. Vergotti  
Professor Emeritus  
History and Political Science  
B.S., Lycee Real, Mesota Brasov, Romania;  
M.A., Columbia University;  
Ph.D., University of Lausanne, Switzerland  
(1966, Ret. 1985)

†Core Course
Directions

The Campus

1. Academic Center
   Athletics
   Bookstore
   Campus Ministry
   Dining Hall
   Gallery of Contemporary Art
   Graduate Studies and Continuing Education
   Gymnasium
   Health Services/Nurse
   Provost and Academic Affairs
   Public Safety
   Registrar
   Student Government
   Student Life
   Theatre

2. Campus Center
   Admissions
   Counseling Center
   Education
   Political Science
   Student Financial Assistance

3. Administration Building
   Business Offices

   Human Resources
   Media Studies Center
   President
   Student Accounts

4. Library
   Institute for Religious Education and Pastoral Studies
   University Learning Center

5. Jefferson House
   WSHU-FM

6. Park Avenue House
   Criminal Justice
   Social Work

7. Jefferson Hill Residence Halls

8. Athletic Fields

9. To Off-campus Residence Halls

10. To 40 Lindeman Drive, Trumbull
    Alumni Relations
    Development
    Grants
    Institutional Advancement
    Public Affairs
    Public Relations
Directions to Main Fairfield Campus
5151 Park Avenue
Fairfield, CT 06432
(203) 371-7999

From Connecticut Turnpike (I-95)
From points South: Take exit 27A Continue straight ahead on combined Routes 8 and 25 to fork. Bear left onto Route 25. Take exit 7 Merritt Parkway South and follow directions below.

From points North: Take exit 38 to Merritt Parkway Southbound and follow directions below.

From Merritt Parkway (Route 15)
Exit 47 (North or South). At end of ramp turn left onto Park Avenue and proceed one block to Sacred Heart University. Entrances on Park Avenue or Jefferson Street (take a right at the light).

Directions to Stamford Extension Campus
Former St. Basil’s Prep School Building
39 Clovelly Road
Glenbrook, Stamford, CT 06902
(203) 961-1344

From Westport, take I-95 to Exit 9. At exit ramp light take a right onto Main Street. Continue down Main Street to railroad bridge. Immediately after railroad bridge take a right onto Crystal Street. Bear left up the hill. Follow street to the first light (about two blocks). At light make a right. First street on your right is Clovelly Road; building is on the right.

Directions to Valley Extension Campus
Emmett O’Brien Regional Vocational Technical School
141 Prindle Avenue, Ansonia, CT
(203) 371-7830

Take the Merritt Parkway (Route 15) to Route 8 North. Take Exit 16 off Route 8 at Pershing Drive. Bear right and go to the second light. Turn right (Burger King on corner). Go to the top of the hill. Cut across to Elm Street (Route 243E). Follow to top of two more hills. Route 243E will bear right but you go straight onto Prindle Avenue.
Index
Index

17/62 Program..............................................14
Academic Advisors..................................46
Academic Appeals.................................30
Academic Calendar ................................Inside Front Cover
Academic Center..................................38
Academic Clubs..................................28
Academic Forgiveness............................30
Academic Honesty................................30
Academic Honors................................31
Academic Incentive Program ..................47
Academic Policies and Regulations .........29
Academic Requirements.........................59
Academic Resources.............................37
Academic Year........................................31
Acceptance Process................................13
Accounting Courses..............................100
Accounting Requirements.......................63
Accreditation.........................................4
Additional Facilities..............................41
Adjunct Faculty....................................195
Administration.....................................187
Administration Building .......................40
Administrative/Information Management ...96
Admissions—Full-Time Study .................12
Admissions—Part-Time Study...................13
American College Testing Proficiency ...16
Examination Program (ACT-PEP) ..........50
American Institute of Banking Programs ....48
Anthropology Courses..........................102
Application for Graduation....................31
Art Courses.........................................103
Art Requirements................................64
Art Studios...........................................38
Assessment of Prior Learning Program ....48
Associate Degree Programs...................89
Associate of Arts Degree.......................89
Associate of Science Degree...............92
Athletic Training/Sports Medicine Courses..107
Athletic Training/Sports Medicine Program .49
Athletics..............................................26
Auditors..............................................31
Baccalaureate Degree Programs...............60
Banking Program..................................92
Biology Courses..................................108
Biology Laboratories............................38
Biology Requirements............................65
Board of Trustees................................186
Business Administration Requirements ....66
Business Courses................................111
Campus Center....................................40
Campus Life........................................26
Campus Map........................................203
Campus Ministry..................................26
Career Center......................................26
Center for Ethnic Studies......................42
Center for Policy Issues.........................42
Changes of Curriculum and Continuous Enrollment ........................................31
Chemistry Courses............................113
Chemistry Laboratories........................38
Chemistry Requirements.......................68
Class Attendance..................................32
College Credit by Examination ..............49
College Level Examination Program (CLEP) .49
Communications Courses.......................118
Community Resources...........................42
Computer and Information Sciences Requirements ......................................69
Computer Facilities................................39
Computer Science Certificate Program ....96
Computer Science Courses.....................120
Computer Science Program (Associate Degree).................................................93
Co-Op Internship Program ......................50
Counseling..........................................26
Course Descriptions.............................99
Course Withdrawal................................32
Credit Certificate Programs..................96
Criminal Justice Courses.......................123
Criminal Justice Requirements ..............70
Curriculum..........................................10
Dean of Student Affairs.........................26
Deferred Payment Plan Options.............17
Dining Service.......................................27
Directions.........................................203, 204
Directory.............................................185
Dismissal..............................................32
Diversity, Policy on.................................5
Economics Courses..............................126
Economics Requirements.......................72
Education Courses................................128
Sacred Heart University

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location ...........</td>
<td>9</td>
</tr>
<tr>
<td>Major and Minor Programs</td>
<td>63</td>
</tr>
<tr>
<td>Major Requirements (Waiver Policy)</td>
<td>36</td>
</tr>
<tr>
<td>Management Requirements</td>
<td>67</td>
</tr>
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<td>Marketing Courses</td>
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<td>Measles and Rubella Immunization</td>
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<td>Military Science Courses</td>
<td>158</td>
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<td>Minor Programs</td>
<td>62</td>
</tr>
<tr>
<td>Mission and History</td>
<td>7</td>
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<tr>
<td>Mission (University)</td>
<td>8</td>
</tr>
<tr>
<td>Modern Foreign Languages Requirements</td>
<td>81</td>
</tr>
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<td>Modern Language Laboratory</td>
<td>40</td>
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<tr>
<td>Music Courses</td>
<td>159</td>
</tr>
<tr>
<td>Music Requirements</td>
<td>82</td>
</tr>
<tr>
<td>Newcomer's Program</td>
<td>46</td>
</tr>
<tr>
<td>Notations</td>
<td>5</td>
</tr>
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<td>Nursing Courses</td>
<td>160</td>
</tr>
<tr>
<td>Nursing Requirements</td>
<td>82</td>
</tr>
<tr>
<td>Nursing, Unified Program in</td>
<td>57, 83</td>
</tr>
<tr>
<td>Payment of Tuition and Fees</td>
<td>17</td>
</tr>
<tr>
<td>Philosophy Courses</td>
<td>161</td>
</tr>
<tr>
<td>Philosophy Requirements</td>
<td>84</td>
</tr>
<tr>
<td>Physical Handicaps (Waiver Policy)</td>
<td>36</td>
</tr>
<tr>
<td>Physics Courses</td>
<td>164</td>
</tr>
<tr>
<td>Placement Test Policy</td>
<td>34</td>
</tr>
<tr>
<td>Polish Courses</td>
<td>167</td>
</tr>
<tr>
<td>Political Science Courses</td>
<td>165</td>
</tr>
<tr>
<td>Political Science Requirements</td>
<td>84</td>
</tr>
<tr>
<td>Pre-Professional Programs</td>
<td>52</td>
</tr>
<tr>
<td>President Emeritus</td>
<td>186</td>
</tr>
<tr>
<td>Presidential Internship Program</td>
<td>53</td>
</tr>
<tr>
<td>Production Course</td>
<td>168</td>
</tr>
<tr>
<td>Proficiency (Waiver Policy)</td>
<td>36</td>
</tr>
<tr>
<td>Program Changes</td>
<td>35</td>
</tr>
<tr>
<td>Psychology Courses</td>
<td>168</td>
</tr>
<tr>
<td>Psychology Requirements</td>
<td>85</td>
</tr>
<tr>
<td>Public Safety</td>
<td>27</td>
</tr>
<tr>
<td>Radio Stations</td>
<td>42</td>
</tr>
<tr>
<td>Registration</td>
<td>30</td>
</tr>
<tr>
<td>Religious Studies Courses</td>
<td>171</td>
</tr>
<tr>
<td>Religious Studies Requirements</td>
<td>85</td>
</tr>
<tr>
<td>Reserve Officer Training Corps (ROTC)</td>
<td>54</td>
</tr>
<tr>
<td>Residence Halls</td>
<td>41</td>
</tr>
</tbody>
</table>
Residential Life .................................................... 27
Respiratory Care Courses ........................................ 174
Respiratory Care Program (Associate Degree) ............... 94
Respiratory Care Program Instructors .......................... 201
Secondary School Certification .................................... 57
SHU Community Chamber Orchestra ............................ 42
SHU-String Community Music Center ............................ 42
Social Work Courses ................................................ 176
Social Work Requirements .......................................... 86
Sociology Courses .................................................. 179
Sociology Requirements ............................................ 87
Sororities .................................................................... 28
Spanish Courses ..................................................... 181
Spanish Requirements ............................................... 81
Special Academic Programs ........................................ 45
Sports Activities ....................................................... 28
State Programs (Financial Aid) ................................. 22
Student Activities .................................................... 27
Student Affairs ......................................................... 25
Student Financial Assistance ........................................ 19
Student Organizations ............................................. 28
Student Standing ....................................................... 35
Substitutions (Waiver Policy) ....................................... 36
Supervision Certificate Program ................................... 97
Taking Courses at Other Institutions .......................... 34
Teacher Education Program ........................................ 54
Transcripts ............................................................... 35
Transfer Admissions .................................................... 12
Trustees ...................................................................... 186
Tuition and Fees ....................................................... 16
Tuition Refunds ........................................................ 17
Unified Program in Nursing ........................................ 57, 83
University Chorus ..................................................... 42
University Cross-Registration Program ......................... 35
University Learning Center ........................................ 41
University Programs (Financial Aid) ......................... 22
Waiver of Major Course Residency Requirement ........ 36
Waiver Policies ......................................................... 36
Wellness Support Services .......................................... 26
Withdrawal .............................................................. 17, 33
Women's Studies Course .......................................... 183
Women's Studies Program ......................................... 58
Women's Studies Requirements ................................. 88
<table>
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<tr>
<th>First Name</th>
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**University Telephone Numbers**

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Admissions

(203) 371-7999 or (800) 333-8934

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(203) 371-7830 or (800) 288-2498

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Dean of Student Affairs

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