Montclair State
University at a Glance

Location:
247-acre campus, at the intersection of Valley Road and Normal Avenue, Montclair, New Jersey (Essex County), one mile south of intersection of Valley Road and Route 46. Main entrance on Normal Avenue.

Background:
Established in 1908; is a state-assisted, coeducational, comprehensive public teaching university with a wide range of undergraduate and graduate programs and a commitment to excellence in instruction and research. Has offered Master of Arts programs since 1932, Master of Business Administration since 1981, Master of Education since 1985, Master of Science since 1992, Master of Fine Arts since 1998, Doctor of Education since 1999, and Doctor of Environmental Management since 2003.

Enrollment:
About 11,375 undergraduates and 3,825 graduate students in Fall 2003. Students come from all New Jersey counties, from other states, and from foreign countries. Approximately 3,100 live on campus with the remainder living in off-campus accommodations or commuting from home.

Faculty:
496 authorized lines.

Accreditation:
Accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, telephone 215-662-5606. For a complete statement on Accreditations and Memberships, refer to the Table of Contents for the page number.

Degrees Offered:
Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Science, and Doctor of Education, Doctor of Environmental Management.

Facilities:
Facilities on the main campus include twenty academic buildings, five administrative buildings, the Student Center, Sprague Library, Panzer Gymnasium with pool and fitness center, a child care center, recreation fields, various service buildings including an 1,100-space parking deck, the Red Hawk Diner, Yogi Berra Museum and Learning Center, Yogi Berra Stadium, and Floyd Hall Ice Arena. Housing for over 3,100 students is provided in eight residence life facilities, including 212 apartments in the newly constructed Village at Little Falls. Construction has commenced on the 500-seat Alexander Kasser Theater scheduled to open in Summer 2004. A state of the art academic building, scheduled to open in 2005, is also under construction.

Costs:
Annual tuition and fees (2004-2005): $7,255.16-new student, $6,792.90-returning student, (based on 30 semester hours, undergraduate, New Jersey resident). Annual room and board (2003-2004): $8,860 (based on a single room and maximum meal plan). Rates are subject to change without notice.

Financial Aid:
Some form of aid is provided to approximately 67 percent of qualified full-time undergraduate students. Aid is available as loans, grants, employment and a small number of scholarships. Part-time undergraduate students are also eligible for some programs. Assistance, primarily loans, is also available for eligible graduate students.

Financial Aid:

Montclair State University is an equal opportunity/affirmative action institution. In compliance with relevant federal and state civil rights legislation, Montclair State does not discriminate on the basis of gender, race, color, religion, national origin, age, affectional or sexual orientation, atypical hereditary cellular or blood trait, genetic information, or physical capability in the operation of its educational program and activities (admission, access to programs and course offerings, competitive and intramural athletics, counseling, student and other employment, use of facilities, and campus sponsored extracurricular activities). Inquiries relating to equal opportunity/affirmative action issues may be directed to the offices of Student Development and Campus Life or Equal Opportunity/Affirmative Action.

Montclair State University recognizes its responsibility to foster an atmosphere of respect, understanding and good will among all individuals and groups, with special sensitivity to those most likely to be subjected to disrespect, abuse and misunderstanding because of their race, ethnicity, religion, gender, sexual preference, age or disabling condition. The goal is to create an unbiased community where all individuals feel free to express themselves in ways that are appropriate in a multi-ethnic and multi-cultural society, and to pursue their work and study in an atmosphere that values individuality and diversity. Underlying this statement is a respect for differences of opinion and freedom of speech. We must be diligent, however, to assure that differences do not degenerate into name-calling or insulting of individuals or groups. Such behavior can be destructive of courtesy and civility and endangers the environment needed for engaging in productive dialogue. Montclair State condemns any behavior that devalues persons and endangers the learning and work environment. Such behavior includes, but is not limited to, threats or acts of physical violence, verbal abuse, harassment, and discrimination. Montclair State encourages the practice of this human relations statement in every aspect of campus life.

Montclair State University is subject to NJSQA 26:3D-15 through 21 (Health and Vital Statistics) on smoking in public places. In compliance with this law, the University prohibits the smoking or carrying of lighted cigars, cigarettes, pipes, or any matter or substance that contains tobacco in all indoor spaces on the Montclair State campus. Indoor smoking is permitted only in private, fully-enclosed student residence hall rooms. If the room is jointly occupied, smoking is permitted only by consensus of all individuals occupying the room. Any member of the campus community may ask an individual to comply with the provisions of this regulation or may file a complaint with University Police, who may issue a summons. Any individual who fails to comply is subject to a fine (typically $25-$200) as determined by the local court where the summons is filed.

The Undergraduate Catalog of Montclair State University is published biennially and presents announcements of general information, general academic regulations, and the academic program extant at the date of publication. Montclair State reserves the right to change any of its announcements, regulations or requirements at any time without notice or obligation. The Office of Academic Affairs is responsible for the preparation of the content of this publication.
Montclair State University
(973) 655-4000
(800) 624-7780
Web-site: www.montclair.edu

Admissions
Russ Hall
(973) 655-4444
(800) 331-9205
FAX (973) 655-7700
E-mail: undergraduate.admissions@montclair.edu

Financial Aid
321 College Hall
(973) 655-4461
Web-site: www.montclair.edu/financialaid
E-mail: financialaid@montclair.edu

Registrar
204 College Hall
(973) 655-4376
FAX (973) 655-7371
Web-site: www.montclair.edu/registrar
E-mail: registrar@montclair.edu

Residence Life
411 Bohn Hall
(973) 655-5188
FAX (973) 655-5400
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About Montclair State University

Montclair State is New Jersey's second largest and fastest growing university, offering the advantages of a large university—a broad undergraduate curriculum with a global focus, a wide variety of superior graduate programs and a diverse faculty and student body—combined with a small college’s attention to students.

Montclair State recently revised its mission statement to reflect its expanded role in educating the students of New Jersey, conducting research, and providing service to the community, the region, the state, and beyond. Adopted at the same time was a strategic plan that was the culmination of five years of work. The key goals of the strategic plan are:

• to be a recognized center for excellence in teaching and learning;
• to be a source of new knowledge and the application of knowledge;
• to provide expanded opportunities to students within a richly diverse setting;
• to provide the facilities, equipment and funding to support the University's expansion;
• to embrace the pervasive and transforming use of technology;
• to be a center for global study and understanding;
• to foster a vibrant sense of community in which each student will be challenged to attain her or his full potential, and
• to serve as an important resource for the local and regional community.

Presently the University is in the midst of an ambitious expansion program that will enable it to accommodate at least 18,000 students by 2008, the year of its centennial. The program includes the recruitment of outstanding new faculty and approximately $250 million in capital construction. Among the major building projects are:

• the Village at Little Falls, a state-of-the-art housing complex with apartments for 850 students, which opened in fall 2003. With five buildings named for famous New Jerseyans, MSU's signature Spanish mission architecture, an outdoor swimming pool and a fitness center, it has been featured on MTV, on television's "Inside Edition", and in newspapers all over the country.
• a new women's softball stadium, which opened in spring 2004.
• the Alexander Kasser Theater, a 500-seat, state-of-the-art performance venue for music, dance and theater events. It will also be used by school-aged children from MSU's Music Preparatory Program, as well as musicians studying at the New Music Institute, housed in the theater's lower level alongside the unique Harry Partch Instrument Collection.
• a new New Jersey Transit train station and parking garage, to give University students a one-seat ride into the heart of midtown Manhattan.
• the Children's Center, an innovative setting for two of the University's most highly respected and nationally recognized children's programs, the Psychoeducational Center and the Child Care Center. By uniting typical preschoolers with special-needs students, this facility creates a unique experience for both children and educators.
• a $45-million, state-of-the-art instructional building, the home of the College of Education and Human Services as well as Information Technology. Included will be the Center for Teacher Preparation and Learning Technologies, which will allow Montclair State to double the capacity of its teacher preparation programs and provide expanded access to continue professional development for educators.

Also new on campus are:

• a fleet of new vans replacing the University's old shuttle buses. The vans were purchased with a $1.5-million grant from the United States Department of Transportation.
• the Joseph and Elda Coccia Institute for the Italian Experience in America, established with a significant gift from Mr. and Mrs. Coccia to foster instruction, research and outreach in Italian and Italian-American studies.
• a doctoral program in Environmental Management, master's degrees in Early Childhood Special Education, Teaching Middle Grades Mathematics, and Child Advocacy; and bachelor's degrees in Science Informatics and in Hospitality Management.

With more than 250 majors, minors and concentrations, the nation's only doctorate in pedagogy, and a unique interdisciplinary doctorate in environmental management, MSU provides a comprehensive array of academic programs while remaining accessible and affordable. Through its six schools and colleges—the College of Humanities and Social Sciences, the College of Science and Mathematics, the College of Education and Human Services, the School of the Arts, the School of Business and the Graduate School and Research—Montclair State University prepares its students to lead productive and rewarding lives, and to participate responsibly in civic society.

Montclair State's strong commitment to public service is evidenced by its wide variety of noncredit programs offered to varied constituencies. Each year, more than 1,200 academically gifted youngsters take part in advanced instructional programs offered weekends and during the summer on campus, and close to 500 talented children receive instruction through the Preparatory Center for the Arts. The School of Conservation, a 240-acre facility in Stokes State Forest, is one of the largest university-operated environmental education centers in the world, providing two-to five-day programs for about 10,000 elementary and secondary school students from around the state, as well as graduate education for students from throughout the world. The University's Service Learning Program, in which students work with community groups throughout the area as part of their academic course work, has provided services to several communities in the area, and the New Jersey Network for Educational Renewal, a school-University partnership dedicated to the simultaneous renewal of the schools and teacher education, serves numerous school districts in northern New Jersey.

From its founding in 1908, the history of Montclair State University has been one of change, growth and distinction. Proud of its heritage and prepared to respond to the challenges and opportunities of the twenty-first century, Montclair State continues to be a major contributor to the cultural, economic and educational life of the region.
Statement on the Undergraduate Program

The Board of Trustees of Montclair State University reaffirms its belief that the liberal arts and sciences form the essential basis of an undergraduate program of higher education.

In an era of decreasing resources, diminished public support, and increased popular interest in vocationalism, there are strong pressures to succumb to temporary concerns, and in doing so to lose sight of the enduring and essential purpose of a university education. There are also economic and political forces which, if not constrained by thoughtful response, threaten the integrity of academic processes and the quality of academic standards of institutions of higher education everywhere.

The Board of Montclair State University believes that the institution has the special purpose of contributing to, critically examining, preserving and transmitting the culture of our society to succeeding generations, and that the protection of this purpose is the public trust for which we are primarily responsible. We believe that the progress of Montclair State University towards this goal has been exemplary, and in particular we applaud the steps already taken by the faculty and administration to maintain and enhance these values. Consistent with the policy and planning function of the Board, however, we believe that faculty and administration efforts might be enhanced by an understanding of what the Board sets forth as a vision of the undergraduate program:

1. a rigorous and comprehensive program of general education required of all students which includes not only advanced learning skills and preparation for effective citizenship, but which also fosters an appreciation of a shared human heritage leading to the enhancement of the quality of both personal and community life;

2. an enrollment reflecting a balance between those students majoring in liberal arts programs, and those in professional and career programs which in addition to their own strengths, are soundly rooted in and related to the strengths of our liberal arts departments;

3. support programs which assist underprepared students who share our goals to meet the demanding standards of which we think they are capable if suitably challenged, excited and educated;

4. ongoing processes of program review and evaluation in which the joint efforts of faculty, administration and Board ensure maintenance of the highest standards of quality;

5. a diverse student body reflecting different cultural and social backgrounds, but united by a common commitment to the academic values for which Montclair State University stands;

6. programs which strengthen the efforts of an able and dedicated faculty and which support the scholar’s continuing need for intellectual and personal renewal.

In setting these general goals, the Board recognizes the difficult economic and political environment likely to face higher education in the future, and that many other institutions have chosen to confront these challenges in a manner different from our own. We believe, however, that the need to create a distinctive mission and climate for Montclair State University and to prepare students fully for an uncertain but clearly difficult future requires us to make this commitment.

It is the Board’s intent to view its future consideration of new policies and programs within the context of this statement.
Montclair State University Majors, Concentrations, Minors, Certificate Programs*

| PROGRAM CODES, UNDERGRADUATE MAJORS AND CONCENTRATIONS AT THE BACCALAUREATE LEVEL |
|---------------------------------|---------------------------------|
| ALHE   Allied Health Services major | B.S.                            |
| ANTH   Anthropology major          | B.A.                            |
| ATTR   Athletic Training major     | B.S.                            |
| BICM   Biochemistry major          | B.S.                            |
| BIOL   Biology major               | B.S.                            |
| BIES   Biology major, Environmental Science concentration | B.S. |
| BRCA   Broadcasting major          | B.A.                            |
| BAAC   Business Administration major, Accounting concentration | B.S. |
| BAEC   Business Administration major, Economics concentration | B.S. |
| BAFN   Business Administration major, Finance concentration | B.S. |
| BAIB   Business Administration major, International Business concentration | B.S. |
| BAMG   Business Administration major, Management concentration | B.S. |
| BAMI   Business Administration major, Management Information Systems concentration | B.S. |
| BAMK   Business Administration major, Marketing concentration | B.S. |
| BAQM   Business Administration major, Quantitative Methods concentration | B.S. |
| BARM   Business Administration major, Retail Merchandising and Management concentration | B.S. |
| CHEM   Chemistry major             | B.S.                            |
| CLAS   Classics major              | B.A.                            |
| CSSC   Communication Studies major, Speech Communication concentration | B.A. |
| CSOC   Communication Studies major, Organizational Communication concentration | B.A. |
| CSPR   Communication Studies major, Public Relations concentration | B.A. |
| CPCS   Computer Science major      | B.S.                            |
| CPIN   Computer Science major, Informatics concentration | B.S. |
| CPCP   Computer Science major, Professional Computing concentration | B.S. |
| DANC   Dance major                 | B.F.A.                          |
| ECON   Economics major             | B.A.                            |
| ECBE   Economics major, Business Economics concentration | B.A. |
| ENGL   English major               | B.A.                            |
| ENCW   English major, Creative Writing concentration | B.A. |
| FAAH   Fine Arts major, Art History concentration | B.A. |
| FAED   Fine Arts major, Fine Arts Education concentration | B.A. |
| FAST   Fine Arts major, Studio concentration | B.A. |
| FASF   Fine Arts/Studio major      | B.F.A.                          |
| FASI   Fine Arts/Studio major, Industrial Design concentration | B.F.A. |
| FRCV   French major, French Civilization concentration | B.A. |
| FRTR   French major, Translation concentration | B.A. |
| GHUM   General Humanities major    | B.A.                            |
| GEOG   Geography major             | B.A.                            |
| GEEN   Geography major, Environmental Studies concentration | B.A. |
| GEUR   Geography major, Urban Studies concentration | B.A. |
| GEOS   Geoscience major            | B.S.                            |
| GEES   Geoscience major, Environmental Science concentration | B.S. |
| HLED   Health Education major      | B.S.                            |
| HLCH   Health Education major, Community Health Services concentration | B.S. |
| HIST   History major               | B.A.                            |
| HOMG   Hospitality Management major | B.S. |
| HUCA   Human Ecology major         | B.A.                            |
| HUCL   Human Ecology major, Family and Child Studies - Child Life Specialist concentration | B.A. |
| HUFE   Human Ecology major, Family and Child Studies - Early and Middle Childhood concentration | B.A. |
| HUFP   Human Ecology major, Family and Child Studies - Early Childhood concentration | B.A. |
| HUFA   Human Ecology major, Family and Child Studies - Family Services concentration | B.A. |
| HUGR   Human Ecology major, Family and Child Studies - Gerontology concentration | B.A. |
| HUFS   Human Ecology major, Fashion Studies concentration | B.A. |
| HUFM   Human Ecology major, Food Management concentration | B.S. |
| HUED   Human Ecology major, Home Economics Education concentration | B.A. |
| HUFD   Human Ecology major, Nutrition and Food Science-Dietetics concentration | B.S. |
| HUFG   Human Ecology major, Nutrition and Food Science-General concentration | B.S. |
| ITAL   Italian major               | B.A.                            |
| JUCA   Justice Studies major       | B.A.                            |
| JUEJ   Justice Studies major, Child Advocacy concentration | B.A. |
| JUJS   Justice Studies major, Justice Systems concentration | B.A. |
| JUPS   Justice Studies major, Paralegal Studies concentration | B.A. |
| LATN   Latin major                 | B.A.                            |
| LING   Linguistics major           | B.A.                            |
| MATH   Mathematics major           | B.S.                            |
| MAAM   Mathematics major, Applied Mathematics concentration | B.S. |
| MOBI   Molecular Biology major     | B.S.                            |
| MUED   Music major, Music Education concentration | B.A. |
| MUPF   Music major, Performance concentration | B.Mus. |
| MUTC   Music major, Theory/Composition concentration | B.Mus. |
| MUSC   Music (five-year combined undergraduate program culminating with the award of both the B.Mus. and B.A. degrees) | B.Mus., B.A. |
| MUTH   Music Therapy major         | B.A.                            |
| PHIL   Philosophy major            | B.A.                            |

*Certificate Programs*
PHED  Physical Education major ........................................... B.S.
PEAF  Physical Education major,
       Adult Fitness concentration...................................... B.S.
PHYS  Physics major ..................................................... B.S.
PHAS  Physics major, Astronomy concentration .................... B.S.
POLS  Political Science major .......................................... B.A.
PSYC  Psychology major ................................................ B.A.
RPCM  Recreation Professions major,
       Commercial Recreation and Tourism concentration .......... B.S.
RELS  Religious Studies major ........................................ B.A.
SIBC  Science Informatics major,
       Biochemistry concentration .................................... B.S.
SICS  Science Informatics major,
       Computer Science concentration .............................. B.S.
SIMB  Science Informatics major,
       Molecular Biology concentration ............................ B.S.
SOCI  Sociology major .................................................. B.A.
SPAN  Spanish major ...................................................... B.A.
SPTR  Spanish major, Translation concentration ................. B.A.
THAC  Theatre major, Acting concentration ........................ B.F.A.
THPD  Theatre major, concentration Production/Design .......... B.F.A.
THST  Theatre Studies major .......................................... B.A.
WMST  Women’s Studies major ........................................ B.A.

PROGRAM CODES, UNDERGRADUATE MINORS AT
THE BACCALAUREATE LEVEL

AFAM  African-American Studies
ANTH  Anthropology
ARCH  Archaeology
BIOL  Biology
CHEM  Chemistry
CLAS  Classics
CGSC  Cognitive Science
CPSC  Computer Science
COAF  Consumer Affairs
CRJS  Criminal Justice
DANC  Dance
ECON  Economics
EDPL  Educational Policy Studies
ENGL  English
FILM  Film
FREN  French
GEOS  Geoscience
GERM  German
GREK  Greek
HPMM  Harry Partch/Microtonal Music Studies
HLST  Health Studies
HSCA  Hispanic Community Affairs
HIST  History
HMSR  Human Services
INTL  International Studies
ITAL  Italian
JURN  Journalism
LATN  Latin
LALS  Latin American and Latino Studies
LING  Linguistics
MATH  Mathematics
MUSC  Music
MUST  Musical Theatre
NUFS  Nutrition and Food Science
PALG  Paralegal Studies
PHIL  Philosophy
PHYS  Physics
POLIS  Political Science
PORT  Portuguese
PRLW  Pre-Law Studies
PSYC  Psychology
PBAD  Public Administration
RELS  Religious Studies
RUSN  Russian
RSAR  Russian Area Studies
SOCI  Sociology
SPAN  Spanish
COMS  Speech Communication
THEA  Theatre
URST  Urban Studies
WMST  Women’s Studies

PROGRAM CODES, GRADUATE MAJORS AND CONCENTRATIONS AT THE MASTER’S LEVEL

ADSU  Administration and Supervision major .................... M.A.
ADET  Administration and Supervision major,
       Educator/Trainer concentration .................................. M.A.
APLN  Applied Linguistics major .................................... M.A.
APSO  Applied Sociology major ........................................ M.A.
BIOL  Biology major ....................................................... M.S.
BISE  Biology major,
       Biology Science Education concentration .................. M.S.
BSAD  Business Administration major .............................. M.B.A.
BAAC  Business Administration major,
       Accounting concentration ......................................... M.B.A.
BABC  Business Administration major,
       Business Economics concentration ............................ M.B.A.
BAFN  Business Administration major,
       Finance concentration ................................................ M.B.A.
BAIB  Business Administration major,
       International Business concentration ......................... M.B.A.
BAMG  Business Administration major,
       Management concentration ......................................... M.B.A.
BAMI  Business Administration major,
       Management Information Systems concentration ............ M.B.A.
BAMK  Business Administration major,
       Marketing concentration ............................................ M.B.A.
CHEM  Chemistry major .................................................. M.S.
CHBI  Chemistry major, Biochemistry concentration .......... M.S.
CMLP  Communication Sciences and Disorders major,
       Speech-Language Pathology concentration .................. M.A.
CSOC  Communication Studies major,
       Organizational Communication concentration .............. M.A.
CSPR  Communication Studies major,
       Public Relations concentration ................................. M.A.
CSSC  Communication Studies major,
       Speech Communication concentration ....................... M.A.
<table>
<thead>
<tr>
<th>Code</th>
<th>Major/Minor/Concentration</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC</td>
<td>Computer Science major</td>
<td>M.S.</td>
</tr>
<tr>
<td>CPAM</td>
<td>Computer Science major, Applied Mathematics concentration</td>
<td>M.S.</td>
</tr>
<tr>
<td>CPAS</td>
<td>Computer Science major, Applied Statistics concentration</td>
<td>M.S.</td>
</tr>
<tr>
<td>CPMN</td>
<td>Computer Science major, Informatics concentration M.S.</td>
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<tr>
<td>COUN</td>
<td>Counseling, Human Services and Guidance major .M.A.</td>
<td></td>
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<tr>
<td>COHS</td>
<td>Counseling, Human Services and Guidance, Human Services concentration .M.A.</td>
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<tr>
<td>ECSE</td>
<td>Early Childhood Special Education major</td>
<td>M.Ed.</td>
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<td>EDUC</td>
<td>Education major</td>
<td>M.Ed.</td>
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<tr>
<td>EDCT</td>
<td>Education major, Critical Thinking concentration .M.Ed.</td>
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<tr>
<td>EDPC</td>
<td>Education major, Philosophy for Children concentration .M.Ed.</td>
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<tr>
<td>EPSY</td>
<td>Educational Psychology major</td>
<td>M.A.</td>
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<tr>
<td>EPCP</td>
<td>Educational Psychology major, Child/Adolescent Clinical Psychology concentration .M.A.</td>
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<tr>
<td>EPSB</td>
<td>Educational Psychology major, Clinical Psychology for Spanish-English Bilinguals concentration .M.A.</td>
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<tr>
<td>ENGL</td>
<td>English major</td>
<td>M.A.</td>
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<tr>
<td>ESED</td>
<td>Environmental Studies major</td>
<td>M.A.</td>
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<td>ESEH</td>
<td>Environmental Studies major</td>
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<td>ESEM</td>
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<td>ESES</td>
<td>Environmental Studies major</td>
<td>M.A.</td>
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<tr>
<td>FAAH</td>
<td>Fine Arts major, Art History concentration</td>
<td>M.A.</td>
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<td>FAED</td>
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<td>M.A.</td>
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<tr>
<td>FAST</td>
<td>Fine Arts major, Studio concentration</td>
<td>M.A.</td>
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<tr>
<td>FRLI</td>
<td>French major, French Literature concentration</td>
<td>M.A.</td>
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<tr>
<td>FRFS</td>
<td>French major, French Studies concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>GEOS</td>
<td>Geoscience major</td>
<td>M.S.</td>
</tr>
<tr>
<td>HLED</td>
<td>Health Education major</td>
<td>M.A.</td>
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<tr>
<td>HUFL</td>
<td>Human Ecology major</td>
<td>M.A.</td>
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<tr>
<td>HUFR</td>
<td>Human Ecology major, Family Relations - Child Development concentration .M.A.</td>
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<tr>
<td>HUED</td>
<td>Human Ecology major</td>
<td>M.A.</td>
</tr>
<tr>
<td>HUNF</td>
<td>Home Economics Education concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>LRDI</td>
<td>Learning Disabilities major</td>
<td>M.Ed.</td>
</tr>
<tr>
<td>LSTD</td>
<td>Legal Studies major</td>
<td>M.A.</td>
</tr>
<tr>
<td>LSRD</td>
<td>Legal Studies major, Dispute Resolution concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>LSGC</td>
<td>Legal Studies major, Governance, Compliance, and Regulation concentration .M.A.</td>
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<tr>
<td>LSMG</td>
<td>Legal Studies major, Legal Management, Information, and Technology concentration .M.A.</td>
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</tr>
<tr>
<td>MACS</td>
<td>Mathematics major</td>
<td>M.S.</td>
</tr>
<tr>
<td>MAED</td>
<td>Mathematics major, Mathematics Education concentration</td>
<td>M.S.</td>
</tr>
<tr>
<td>MAPM</td>
<td>Mathematics major, Pure and Applied Mathematics concentration .M.S.</td>
<td></td>
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<tr>
<td>MAST</td>
<td>Mathematics major, Statistics concentration</td>
<td>M.S.</td>
</tr>
<tr>
<td>MUEA</td>
<td>Music major, Music Education concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>MUMT</td>
<td>Music major, Music Therapy concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>MUPF</td>
<td>Music major, Performance concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>MUTC</td>
<td>Music major, Theory Composition concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>PECS</td>
<td>Physical Education major, Coaching and Sports Administration concentration .M.A.</td>
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<tr>
<td>PEEO</td>
<td>Physical Education major, Exercise Sciences concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>PETA</td>
<td>Physical Education major, Teaching and Supervision of Physical Education concentration .M.A.</td>
<td></td>
</tr>
<tr>
<td>PSYC</td>
<td>Psychology major</td>
<td>M.A.</td>
</tr>
<tr>
<td>PSIO</td>
<td>Psychology major, Industrial and Organizational Psychology concentration</td>
<td></td>
</tr>
<tr>
<td>READ</td>
<td>Reading major</td>
<td>M.A.</td>
</tr>
<tr>
<td>SSEC</td>
<td>Social Sciences major, Economics concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>SSHI</td>
<td>Social Sciences major, History concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>SPAN</td>
<td>Spanish major</td>
<td>M.A.</td>
</tr>
<tr>
<td>STAT</td>
<td>Statistics major</td>
<td>M.S.</td>
</tr>
<tr>
<td>STAR</td>
<td>Studio Art major</td>
<td>M.F.A.</td>
</tr>
<tr>
<td>TEEC</td>
<td>Teaching major, Early Childhood Education concentration</td>
<td>M.A.T.</td>
</tr>
<tr>
<td>TEEL</td>
<td>Teaching major, Elementary Education concentration</td>
<td>M.A.T.</td>
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<tr>
<td>TMGM</td>
<td>Teaching Middle Grades Mathematics</td>
<td>M.A.</td>
</tr>
<tr>
<td>THPS</td>
<td>Theatre major, Production/Stage Management concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>THTS</td>
<td>Theatre major, Theatre Studies concentration</td>
<td>M.A.</td>
</tr>
<tr>
<td>EPME</td>
<td>Education major, Pedagogy concentration (Mathematics Education) .Ed.D.</td>
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<tr>
<td>EPPC</td>
<td>Education Major, Pedagogy concentration (Philosophy for Children). .Ed.D.</td>
<td></td>
</tr>
<tr>
<td>ENVM</td>
<td>Environmental Management major</td>
<td>D.Env.M</td>
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<tr>
<td>ARDI</td>
<td>Artist Diploma, graduate</td>
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</tr>
<tr>
<td>CHAD</td>
<td>Child Advocacy certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>CISG</td>
<td>CISCO certificate, graduate</td>
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</tr>
<tr>
<td>CISU</td>
<td>CISCO certificate, undergraduate</td>
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</tr>
<tr>
<td>CTIS</td>
<td>Collaborative Teaching for Inclusive Settings certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>HLED</td>
<td>Health Education certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>MOBI</td>
<td>Molecular Biology certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>NUES</td>
<td>Nutrition and Exercise Science certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>COOC</td>
<td>Object Oriented Computing certificate, graduate</td>
<td></td>
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<tr>
<td>PALG</td>
<td>Paralegal Studies certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>PERC</td>
<td>Performer's certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>PHCD</td>
<td>Philosophy for Children certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>TEOG</td>
<td>Teaching English to Speakers of Other Languages certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>TMGM</td>
<td>Teaching Middle Grades Mathematics certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>TISG</td>
<td>Translation and Interpretation in Spanish certificate, graduate</td>
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</tbody>
</table>

**PROGRAM CODES, POST-GRADUATE MAJORS AND CONCENTRATIONS AT THE DOCTORAL LEVEL**

<table>
<thead>
<tr>
<th>Code</th>
<th>Major/Minor/Concentration</th>
<th>Level</th>
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</thead>
<tbody>
<tr>
<td>EPME</td>
<td>Education major, Pedagogy concentration (Mathematics Education) .Ed.D.</td>
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<tr>
<td>EPPC</td>
<td>Education Major, Pedagogy concentration (Philosophy for Children). .Ed.D.</td>
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<tr>
<td>ENVM</td>
<td>Environmental Management major</td>
<td>D.Env.M</td>
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**PROGRAM CODES, CERTIFICATE PROGRAMS AT THE GRADUATE AND UNDERGRADUATE LEVELS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Major/Minor/Concentration</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARDI</td>
<td>Artist Diploma, graduate</td>
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<tr>
<td>CHAD</td>
<td>Child Advocacy certificate, graduate</td>
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</tr>
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<td>CISG</td>
<td>CISCO certificate, graduate</td>
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</tr>
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<td>CISU</td>
<td>CISCO certificate, undergraduate</td>
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<td>Object Oriented Computing certificate, graduate</td>
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<tr>
<td>PALG</td>
<td>Paralegal Studies certificate, graduate</td>
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</tr>
<tr>
<td>PERC</td>
<td>Performer's certificate, graduate</td>
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<td>PHCD</td>
<td>Philosophy for Children certificate, graduate</td>
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<tr>
<td>TEOG</td>
<td>Teaching English to Speakers of Other Languages certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>TMGM</td>
<td>Teaching Middle Grades Mathematics certificate, graduate</td>
<td></td>
</tr>
<tr>
<td>TISG</td>
<td>Translation and Interpretation in Spanish certificate, graduate</td>
<td></td>
</tr>
</tbody>
</table>
TISU Translation and Interpretation in Spanish certificate, undergraduate
WRMA Water Resource Management certificate, graduate

*Additional Instructional, Educational Services, and Administrative Endorsements are available in many of the above areas.

Accreditations, Approvals and Memberships

Montclair State University is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, telephone 215-662-5606. In addition, the National Council for the Accreditation of Teacher Education has granted accreditation for the preparation of elementary and secondary school teachers as well as administrative and school service personnel. Those programs leading to certification are approved by the New Jersey Department of Education using the standards of the National Association of State Directors of Teacher Education and Certification.

Other academic accreditations include AACSB International-The Association to Advance Collegiate Schools of Business (baccalaureate and graduate degree programs in business, School of Business), American Association of Family and Consumer Sciences, Department of Human Ecology, College of Education and Human Services), American Speech-Language-Hearing Association (Department of Communication Sciences and Disorders, College of Humanities and Social Sciences), National Association of Schools of Art and Design (Department of Art and Design, School of the Arts), National Association of Schools of Dance (Department of Theatre and Dance, School of the Arts), National Association of Schools of Music (Department of Music, School of the Arts), and National Association of Schools of Theatre (Department of Theatre and Dance, School of the Arts). The undergraduate concentration in Professional Computing offered by the Department of Computer Science, College of Science and Mathematics, is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET).

Programs approved by the Council for Exceptional Children include: Early Childhood Special Education major, Master of Education (Department of Early Childhood, Elementary, and Literacy Education, College of Education and Human Services), Learning Disabilities major, Master of Education, and Learning Disabilities Teacher-Consultant post master's certification (Department of Curriculum and Teaching, College of Education and Human Services); and Speech-Language Pathology concentration within the Communication Sciences and Disorders major, Master of Arts (Department of Communication Sciences and Disorders, College of Humanities and Social Sciences). The Bachelor of Science degree program in Human Ecology, concentration in Nutrition and Food Science-Diabetes, and the approved Preprofessional Practice Program (AP4), offered by the Department of Human Ecology, College of Education and Human Services, have been approved by the American Dietetic Association. The American Bar Association has approved the undergraduate minor and post-baccalaureate certificate program in Paralegal Studies offered by the Department of Legal Studies, and the Paralegal Studies concentration within the Justice Studies major, Bachelor of Arts, College of Humanities and Social Sciences. Programs offered by the Department of Chemistry and Biochemistry, College of Science and Mathematics, have been approved by the American Chemical Society. The National Association for Music Therapy has approved the undergraduate program in Music Therapy offered by the Department of Music, School of the Arts.

Montclair State University is a member of the American Association for Paralegal Education, American Association of Colleges for Teacher Education, American Association of State Colleges and Universities, American Council on Education, Association for Gerontology in Higher Education, Association of American Colleges, Council of Graduate Schools in the United States, National Association of State Universities and Land-Grant Colleges, National Network for Educational Renewal, New Jersey Association of Colleges and Universities, New Jersey Association of Colleges for Teacher Education, North American Association of Summer Sessions, and Northeastern Association of Graduate Schools. Women graduates of Montclair State University are accepted for membership in the American Association of University Women.
Departments within the College are:

grams to maintain and extend diversity among students and faculty are a critical thinking, the promotion of democratic citizenship and to social justice. The College maintains an Office of the Agenda for Education in a Democracy to promote these ends. As part of this commitment, professional careers in private industry, government agencies, non-profit organizations, and public and private schools. All programs in the College are firmly grounded in the liberal arts, and include an opportunity for field based internships. Graduate degree programs are offered by all departments. In its instructional programs, the College prides itself on highly qualified faculty members who maintain close contact with their disciplines and professions, who contribute regularly to scholarship, and who are excellent teachers dedicated to giving personal attention to all students. The application of appropriate instructional technology permeates all programs.

The College of Education and Human Services prepares students for professional careers in private industry, government agencies, non-profit organizations, and public and private schools. All programs in the College are firmly grounded in the liberal arts, and include an opportunity for field based internships. Graduate degree programs are offered by all departments. In its instructional programs, the College prides itself on highly qualified faculty members who maintain close contact with their disciplines and professions, who contribute regularly to scholarship, and who are excellent teachers dedicated to giving personal attention to all students. The application of appropriate instructional technology permeates all programs.

The University's Center of Pedagogy, in which the College of Education and Human Services plays a major role, is responsible for the coordination of the award winning teacher education program. The University's program is informed by its long standing participation in the Agenda for Education in a Democracy and the National Network for Educational Renewal, founded by John Goodlad. The New Jersey Network for Educational Renewal at Montclair State University is a highly developed school-university partnership which includes more than twenty school districts which are the primary sites for field experiences.

For our programs in food science, dietetics, consumer science, fashion studies, athletic training and recreation and leisure studies, extensive contacts and partnerships with the appropriate industries in the region and nation are maintained. The College operates on the premise that it has an obligation to be a partner in the ongoing renewal of the professions for which it prepares students.

Through all its work, the College maintains a commitment to bettering the lives of those living in the region, and a commitment to teaching for critical thinking, the promotion of democratic citizenship and to social justice. The College maintains an Office of the Agenda for Education in a Democracy to promote these ends. As part of this commitment, programs to maintain and extend diversity among students and faculty are a high priority.

Departments within the College are:

- Counseling, Human Development and Educational Leadership
- Curriculum and Teaching
- Early Childhood, Elementary, and Literacy Education
- Educational Foundations
- Health Professions, Physical Education, Recreation and Leisure Studies
- Human Ecology

College of Humanities and Social Sciences

Dean: Mary A. Papazian, Ph.D.
Associate Dean: William Rosa, Ph.D.
Associate Dean: Dorothy G. Rogers, Ph.D.

In the College of Humanities and Social Sciences (CHSS), traditional liberal studies serve as the foundation of a university education. The college's curriculum emphasizes the development of analytic skills, communication skills and social understanding. Our students can study the traditional liberal studies, such as philosophy and literature, along with courses on the vanguard of contemporary developments, such as cognitive science and film studies. Degrees in this college are recognized as excellent preparation for any number of careers, or for professional and graduate study.

The College of Humanities and Social Sciences provides students with several applied study options: internships, apprenticeships, and field study programs. Many departments offer clinical training or professional certificate programs, including teacher certification. A growing number of CHSS faculty offer service-learning courses, in which coursework is linked to community development projects.

A highlight of CHSS is its interdisciplinary programs, each of which allows students to explore a theme or area of interest from a number of perspectives. Students interested in Latin American issues, for example, can study Latin/o history and literature as well as the sociological and psychological factors that affect cultural identity. All of the interdisciplinary programs in CHSS provide students with a unique educational opportunity - for integrated study beyond the bounds of any one discipline.

Foreign language programs in the College offer excellent opportunities for students to immerse themselves in another language and culture through our study abroad programs. Typically, the college offers several such programs each year, in places such as London, Nice, Madrid, Siena, and Guadalajara.

Faculty in the college are leaders in the use of educational technology at Montclair State University. In addition to using in-class technology, such as computer-aided instruction and innovative software, many faculty supplement their courses with some form of web-based learning. Some courses are taught entirely on the web or via live synchronous learning.

The courses of study within the College of Humanities and Social Sciences have been at the core of the educational enterprise at MSU since it was established nearly one hundred years ago. The college continues to focus its energies, grow, develop, and change, in order to provide students with the very best in the liberal arts and social science traditions. We believe this is what keeps our programs dynamic and our foundational approach to education solid.

Departments and interdisciplinary majors within the College are:

- Anthropology
- Classics and General Humanities
- Communication Sciences and Disorders
- English
- French, German, and Russian
- History
- Justice Studies Major
- Legal Studies
- Linguistics
- Philosophy and Religion
- Political Science
- Psychology
- Sociology
- Spanish/Italian
- Women Studies Major
College of Science and Mathematics
Dean: Robert S. Prezant, Ph.D.
Associate Dean: Michael A. Krage, Ph.D.
Assistant Dean: Jinan Jaber-Linsalata, Ph.D.

Programs within the College of Science and Mathematics (CSAM) provide a sound foundation for careers in industry, government, medicine, dentistry and other health professions, as well as for post-baccalaureate studies in graduate or professional schools. Programs leading to teacher certification are also available in appropriate fields.

Under the direction of knowledgeable and dedicated faculty mentors, students have access to unusually extensive facilities and state-of-the-art equipment including scanning and transmission electron microscopes, a cell culture laboratory, an animal room, greenhouse, scintillation counters, Fourier transform nuclear magnetic resonance spectrometers, gas chromatograph/mass spectrometers and X-ray diffraction spectrometers. Undergraduate research programs and internships provide students with numerous opportunities to "do science".

Since scientific computing has unique requirements, the College supports its own local area network (Sci Net). Sci Net consists of a number of state-of-the-art RISC SUN workstations and servers, DEC microVAXen, graphic workstations, IBM PCs and Apple Macintosh microcomputers. Through networking, students in all the College of Science and Mathematics departments have access to national and international computer networks and bulletin boards.

The New Jersey School of Conservation (SOC), located on 240 acres of state forest in northwestern New Jersey, is a part of the CSAM. The SOC is the oldest and largest residential environmental field center operated by a university in the world. Faculty at SOC and on-campus work together on a number of initiatives in the utilization of the SOC as an environmental laboratory. The Passaic River Institute for environmental research and education has been newly founded under the auspices of CSAM. In addition, the CSAM is a member of the New Jersey Marine Sciences Consortium and has access to the marine laboratory facilities in Sandy Hook, NJ.

A number of programs leading to degrees are administered in the College including: Biology, Biochemistry, Chemistry, Computer Science, Geography, Geosciences, Mathematics, Molecular Biology, Physics and Science Informatics. In addition, the College houses the Health Careers Program, designed to increase career opportunities for the underrepresented.

For pre-professional students, there are seven-year programs offered jointly by Montclair State University and the University of Medicine and Dentistry-NJ (UMDNJ) leading to the BS degree at Montclair State and either the Doctor of Medicine or the Doctor of Dental Medicine degree at UMDNJ. As well as a 7 year combined B.S./Pharm.D. program with the Ernest Mario School of Pharmacy at Rutgers University (New Brunswick).

A student accepted into one of these three programs is assured admission to the health Careers Program in the College of Science and Mathematics is available. For more information see the Special Programs section in this catalog.

Departments within the College are:
- BIOLOGY AND MOLECULAR BIOLOGY
- CHEMISTRY AND BIOCHEMISTRY
- COMPUTER SCIENCE
- EARTH AND ENVIRONMENTAL STUDIES
- MATHEMATICAL SCIENCES

School of the Arts
Dean: Geoffrey W. Newman, Ph.D.
Associate Dean: Ronald S. Sharps, Ph.D.
Assistant Dean: Linda Davidson, M.F.A.

Designated as a Center of Excellence in the Fine and Performing Arts, Montclair State University continues its commitment to quality programs in art and education. Its School of the Arts offers graduate and undergraduate programs in fine arts, music, broadcasting, speech communication, dance, and theatre. In 1986, the School of the Arts was awarded the $5.7 million Governor’s Challenge for Excellence in the Arts Grant, the largest known arts program grant anywhere. The grant is designed to bridge the gap between the academic and the professional world and expands upon our already exciting arts curriculum and cultural program offerings.

In addition to the academic departments the School has a number of non-academic divisions whose mandate is to complement and enhance the curricular responsibilities of the departments. Much of the professional experiences in which students engage originate with one or more of these divisions: TheatreFest, the professional equity theatre-in-residence, produces a wide range of professional programs, including the TheatreFest Regional Play Festival and TheatreFest for Kids. Arts Programming complements both TheatreFest and Theatre Series with its own Great Events Series of national and international professional programs and Conversations, which brings renowned artists to campus to teach master classes and participate in an interactive lecture series. The DuMont Television Center serves not only the production requirements of the Broadcasting Department but the MSU body at large. It is the recipient of numerous national awards, and is perhaps best known for the weekly program Carpe Diem which is well known throughout the New Jersey and New York region. The Preparatory Center for the Arts, which is administered through the Music Department, offers private instruction, ensemble participation, and theoretical instruction in music and dance to a large segment of the surrounding community. Many graduates of this program have gone on to nationally and internationally known music program, including MSU itself. The Division of Galleries offers national and international shows as well as student presentations.

The School of the Arts provides professional training and education for students seeking careers in the arts, education, public service and management. It presents cultural events and offers courses and experiences in the arts for the enrichment of campus and community life. The resources of the School are taken to the community in the form of lectures, demonstrations and an equity resident theatre company (TheatreFest). The School seeks to stimulate public interest in the arts and to encourage research, creative work and experimentation in the arts.

Departments within the School are:
- ART AND DESIGN
- BROADCASTING
- COMMUNICATION STUDIES
- MUSIC
- THEATRE AND DANCE
School of Business
Dean: Alan J. Oppenheim, Ph.D.
Associate Dean: Kathryn Martell, Ph.D.
Assistant Dean: Karen E. Dennis, M. Phil.

As a School of Business of a regional state university that provides quality education to a diverse student body, our goal is to graduate students who are immediately effective in cutting-edge business organizations. Our undergraduate programs are of primary importance. We prepare our students for entry and mid-level managerial positions, entry-level professional specializations, and entrepreneurial roles. Further, we equip them with the capacity to identify their own goals and proactively to manage their life-long career prospects.

To prepare our students for these roles, we must assure their mastery of:

• thinking skills: logical, critical and integrated analysis; the capacity to exercise good judgment; creative and nontraditional problem solving; and proficiency in ethical reasoning;

• discipline-specific knowledge and competencies: e.g., information technology and quantitative skills appropriate to problem-solving in a real-world setting;

• communication skills: proficiency in oral, written, presentation, and distance communication;

• change management: understanding and shaping the forces of change, including globalization, and using this understanding to formulate, evaluate, and select from alternative strategies to achieve sustainable competitive advantage;

• self-development: the capacity to engage in the effective self-management of lifelong learning to achieve continuous professional and personal growth.

The School offers two undergraduate degrees: BS in Business Administration and a BA in Economics. The BS in Business Administration has the following concentrations: Accounting, Economics, Finance, International Business, Management, Management Information Systems, Marketing, Quantitative Methods, and Retail Merchandising and Management. The BA in Economics is offered as a major or minor. Internships and cooperative education experiences are available in many of the programs offered.

Departments within the School of Business are:
ACCOUNTING, LAW AND TAXATION
ECONOMICS AND FINANCE
INFORMATION AND DECISION SCIENCES
MANAGEMENT
MARKETING

Graduate School
Dean: Carla M. Narrett, Ph.D.
Associate Dean: Kristin Cohen, Ed.M.
Assistant Dean: Kim C. O’Halloran, Ed.M.

The Graduate School has responsibility for all education at the post-baccalaureate level. The Graduate School provides leadership and direction for the University’s graduate programs. It strives to create a learning environment that will ensure the highest quality graduate programs in keeping with the university’s overall mission of teaching, research, and public service. Working with the faculty, the Graduate School is committed to providing access to programs and services for qualified students of all racial, cultural, and ethnic backgrounds, and to meet the needs of the State of New Jersey and the region.

In concert with the Graduate Council, the Graduate School:

• continuously reviews the University’s graduate programs and policies;

• establishes and maintains appropriate admission and academic standards;

• encourages student inquiry and critical thinking;

• provides enhanced levels of professional competence;

• fosters research and scholarly activity;

• supports interdisciplinary endeavors.

There are 36 different graduate degree programs leading to a range of degrees including the Doctor of Education, Doctor of Environmental Management, Master of Fine Arts, Master of Business Administration, Master of Arts, Master of Science, Master of Arts in Teaching and Master of Education.
Academic Calendar*
2004-2005

**FALL SEMESTER 2004**
Opening Day..............................Wednesday, September 1
(No Classes)

Classes Begin .......................... Thursday, September 2
(Friday evening, September 10 for Friday evening or weekend courses)

Labor Day Holiday.........................Monday, September 6
(No Classes)

University Day ..................................Wednesday, October 20
(Classes follow regular schedule)

Thanksgiving Holiday ..............Thursday-Sunday, November 25-28
(No Classes)

Classes End..................................Monday, December 13

Examination Period ..................Tuesday-Monday, December 14-20

End of Semester..........................Monday, December 20

**SPRING SEMESTER 2005**
Martin Luther King Holiday................Monday, January 17
(No Classes)

Classes Begin .......................... Tuesday, January 18

Spring Recess .......................... Monday-Sunday, March 14-20
(No Classes)

University Day .............................Wednesday, March 23
(Classes follow regular schedule)

Easter Holiday ..........................Friday-Sunday, March 25-27
(No Classes)

Tuesday designated as a Friday..............Tuesday, May 3
(for Friday day classes only; Tuesday day and evening classes do not meet)

Classes End.................................Tuesday, May 3

Examination Period .....................Thursday-Wednesday, May 5-11

End of Semester..........................Wednesday, May 11

Commencement..............................Friday, May 20
(tentative)

**SUMMER SESSIONS 2005**
Pre-Session ..................................Monday, May 16-Thursday, June 2
(Three Weeks, No Friday Classes)

Pre-Session ..................................Monday, May 16-Thursday, June 9
(Four Weeks, No Friday Classes)

Twelve-Week Session ..............Monday, May 16-Thursday, August 4
(No Friday Classes) (extended hours Monday, 10 sessions)

Memorial Day Holiday.....................Monday, May 30
(No Classes)

Saturday Classes ......................Saturday, June 4-August 6
(10 sessions)

Eight-Week Session ..................Monday, June 13-Thursday, August 4
(No Friday Classes)

First Four-Week Session ..............Monday, June 13-Thursday, July 7
(No Friday Classes)

Six-Week Session ..................Monday, June 27-Thursday, August 4
(No Friday Classes)

Independence Day Holiday ..................Monday, July 4
(No Classes)

Second Four-Week Session ............Monday, June 11-Thursday, August 4
(No Friday Classes)

Post-Session ..........................Monday, August 8-Thursday, August 25
(No Friday Classes) (12 sessions)

*Montclair State University reserves the right to modify this calendar. Please refer to the current semester Schedule of Courses booklet for the most recent published calendar information.
Montclair State University reserves the right to modify this calendar. Please refer to the current semester Schedule of Courses booklet for the most recent published calendar information.

**Academic Calendar**

**2005-2006**

**FALL SEMESTER 2005**

- Labor Day Holiday........................Monday, September 5 (No Classes)
- Opening Day.....................................Tuesday, September 6 (No Classes)
- Classes Begin .................................Wednesday, September 7
- University Day ..............................Wednesday, October 19 (Classes follow regular schedule)
- Thanksgiving Holiday ...................Thursday-Sunday, November 24-27 (No Classes)
- Wednesday designated as a Friday...........Wednesday, December 14 (for Friday day classes only; Wednesday day and evening classes do not meet)
- Classes End................................Thursday, December 15
- Examination Period .......................Friday-Thursday, December 16-22
- End of Semester ............................Thursday, December 22

**SPRING SEMESTER 2006**

- Martin Luther King Holiday................Monday, January 16 (No Classes)
- Classes Begin ................................Tuesday, January 17
- Spring Recess ...............................Monday-Sunday, March 13-19 (No Classes)
- University Day ..............................Wednesday, March 22 (Classes follow regular schedule)
- Easter Holiday ..............................Friday-Sunday, April 14-16 (No Classes)
- Tuesday designated as a Friday..............Tuesday, May 2 (for Friday day classes only; Tuesday day and evening classes do not meet)
- Classes End................................Tuesday, May 2
- Examination Period .......................Thursday-Wednesday, May 4-10
- End of Semester .............................Wednesday, May 10
- Commencement ................................Friday, May 19 (tentative)

**SUMMER SESSIONS 2006**

- Pre-Session ....................................Monday, May 15-Thursday June 1 (Three Weeks, No Friday Classes) (11 sessions)
- Pre-Session ....................................Monday, May 15-Thursday June 8 (Four Weeks, No Friday Classes) (15 sessions)
- Twelve-Week Session .......................Monday, May 15-Thursday, August 3 (No Friday Classes, extended hours Monday and Tuesday, 11 sessions)
- Memorial Day Holiday.............................Monday, May 29 (No Classes)
- Saturday Classes ............................Saturday, June 3-August 5 (10 sessions)
- Eight-Week Session .........................Monday, June 12-Thursday, August 3 (No Friday Classes)
- First Four-Week Session .................Monday, June 12-Thursday, July 6 (No Friday Classes)
- Six-Week Session .............................Monday, June 26-Thursday, August 3 (No Friday Classes)
- Independence Day Holiday ................Tuesday, July 4 (No Classes)
- Second Four-Week Session ...............Monday, July 10-Thursday, August 3 (No Friday Classes)
- Post-Session .................................Monday, August 7-Thursday, August 24 (No Friday Classes) (12 sessions)

*Montclair State University reserves the right to modify this calendar. Please refer to the current semester Schedule of Courses booklet for the most recent published calendar information.*
Admissions

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Montclair, New Jersey 07043. Completed applications should be returned to this address accompanied by a $35.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant's financial circumstances, sex, race, age, religion, national origin, or physical handicap.

Admission Requirements

Freshmen

1. An application should be completed and returned as early in the senior year as possible, but no later than March 1.

2. The Scholastic Assessment Test (SAT I) should be taken preferably in October, November or December, but not later than January of the senior year. The student should request that the College Board forward the results to Montclair State University (College Board Code number 2520). The ACT may be submitted in lieu of the SAT I.

3. The student is required to have a certificate of graduation from an approved secondary school. A High School Equivalency Certificate is acceptable. Sixteen subject units must be completed according to the following breakdown:

   - English................................................................. 4
   - Social Studies ......................................................... 2
   - Mathematics* (Algebra I, Geometry, Algebra II).................. 3
   - Science (laboratory) .................................................... 2
   - Foreign Language (same foreign language) ......................... 2
   - Electives (in English, social studies, science, math or foreign language)........................................ 3

   Total 16

*Admission to computer science requires 4 years of mathematics including trigonometry. Admission to business administration requires Algebra II.

4. Students who wish to enter a specialized field of study are assumed to have prepared for it during the high school years. Achievement scores, though not required, are useful in demonstrating area strength and may be submitted with application materials. Admission to the departments of Art and Design, Broadcasting, Communication Studies, Music, or Theatre and Dance or to the Athletic Training program in the Department of Health Professions, Physical Education, Recreation and Leisure Studies is gained through departmental tests, auditions, or interviews. Admission to Montclair State University does not guarantee acceptance into a particular department or major.

5. Application and admission dates for full-time freshmen:

   Admissions for:
   - Fall semester
     - Completed application on file by: March 1
   - Spring semester
     - Completed application on file by: November 1

6. Accepted full-time students are required to pay a non-refundable $150 fee by May 1 to hold their places in the class.

7. Freshman candidates desiring part-time admission follow the application dates listed under Part-Time Students.

Transfer Students

1. Approximately one-third of new students entering Montclair State University each year have attended another college or university.

   To be eligible for consideration for transfer admission, a student is required to have completed a minimum of 15 college level credits with at least a 2.00 (C) average at another accredited college. In recent years, however, the minimum grade point average (g.p.a.) has been about 2.5. Specific academic programs may have additional requirements.

   Please note: All transfer applicants must have completed freshman English Composition before admission to Montclair State University. Transcripts of high school and each college previously attended are to be forwarded to Montclair State University. If an applicant has completed 24 college level credits at the time of application, a high school transcript is not required.

2. Transfer students may attend on either a full- or part-time basis and must choose a major. A departmental interview may be required.

3. Application and admission dates for full-time transfer students:

   Admissions for:
   - Fall semester
     - Completed application on file by: June 15
   - Spring semester
     - Completed application on file by: November 1

4. Transfer students desiring part-time admission follow the application dates listed below for part-time students.

5. International students should follow the application dates listed below for International Students.

Part-Time Students

1. Part-time undergraduate study at Montclair State offers degree program opportunities to students whose responsibilities limit the time they are able to devote to academic pursuit. Although part-time students may register for courses in the day, evening, or weekends, students whose personal schedules will only permit them to take courses in the evening should be aware that only the following majors are currently available after 4:30 p.m. Monday through Thursday:

   - Anthropology
   - Business Administration
   - Computer Science
   - Economics
   - English
   - General Humanities
   - Geography
   - History
   - Human Ecology
   - Justice Studies
   - Mathematics
   - Political Science
   - Sociology

2. Application and admission dates for part-time students:

   Admissions for:
   - Fall semester
     - Completed application on file by: June 15
   - Spring semester
     - Completed application on file by: November 1

3. Part-time applicants meet the same admission requirements as their full-time counter parts.
Immunization Requirements

All new or continuing full- and part-time undergraduate and graduate students enrolled in a program of study at any 4-year public or independent institution of higher education in NJ are required to provide evidence of immunization as a prerequisite to enrollment. For specific information, please see Immunization Requirements under Division of Student Development and Campus Life, Wellness Services.

International Students

Students from foreign countries file an application for admission through the Office of Admissions.

Students whose native language is not English are required to submit the Test of English as a Foreign Language (TOEFL). Since the I-20 form can be granted only to accepted full-time students, candidates seeking and F-1 visa should be aware that they must apply for full-time rather than part-time admission.

Students transferring from another United States college or university will be required to submit the “Foreign Student Advisor’s Report.”

Transcript Evaluation

Send transcripts of all school records for course-by-course evaluation to:
World Education Services, Inc.
P.O. Box 745
Old Chelsea Station
New York, NY 10113-0745

Request WES to send its evaluation to:
Office of Admissions
Montclair State University
Montclair, NJ 07043

Application and admission dates for full-time international students:

<table>
<thead>
<tr>
<th>Admission for:</th>
<th>Completed application on file by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall semester</td>
<td>April 1</td>
</tr>
<tr>
<td>Spring semester</td>
<td>November 1</td>
</tr>
</tbody>
</table>

Joint Admissions and Transfer Articulation Agreements with Community Colleges

For students who successfully complete either an Associate of Arts degree or an Associate of Science degree in selected Community College transfer programs, it is possible to enter directly into Montclair State University as a junior, having completed most general education requirements. These agreements are especially helpful for transfer students interested in completing a four-year degree in Business Administration, liberal arts, or mathematics and sciences. With this process in place, students can anticipate guaranteed admission and a more seamless transfer process.

NOTE: Additional admission requirements are in place for students seeking to be fully admitted into Teacher Education. Check with the Teacher Education Admissions office in Chapin Hall Room 103, ext. 7976 for specific admission requirements, deadlines to complete the requirements, and other procedural information.

Currently, such agreements have been signed with the following Community Colleges. Please see the transfer counselor at your college for specific details of included programs.

- Bergen Community College
- Brookdale Community College
- Burlington County College
- Camden County College
- County College of Morris
- Cumberland County College
- Essex County College
- Hudson County Community College
- Mercer County Community College
- Middlesex County College
- Ocean County College
- Passaic County Community College
- Raritan Valley Community College
- Sussex County Community College
- Union County College
- Warren County Community College

It is anticipated that future joint admissions and transfer articulation agreements will be approved, covering additional Community Colleges and additional degree programs. These will be listed with the Office of Admission at MSU and the Community College as they become available.

Non-Traditional Students

The adult learning division of the Center for Academic Advising and Adult Learning (CAAL) is a tangible expression of the University's commitment to provide access to higher education and academic support for non-traditional and working adult students who are seeking to begin or complete undergraduate degree programs. The mission of CAAL is to provide specialized support services; including advising, academic development workshops, and an Adult Academic Success Seminar, to adult non-traditional undergraduate students. Ultimately, the purpose of the adult learning division is to help ensure the non-traditional adult students' academic, intellectual, career, and personal success and enhance their way through lifelong learning.

To be considered for admission through the Center for Academic Advising and Adult Learning, students must meet the following admission requirements:

- Age 25 or over
- High school graduate or GED recipient
- Not enrolled in higher education within the last two years
- Pursuing an undergraduate degree

The Center for Academic Advising and Adult Learning also oversees the Older Adult Tuition Waiver (OLA) Program, which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students are only responsible for the student fees plus a $25 administrative fee each semester enrolled. Students with a high school diploma or its equivalence may take undergraduate courses, and will be responsible for the undergraduate fees. Students with an undergraduate degree may take undergraduate or graduate courses, and pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements.
Second Baccalaureate Students

1. Students who have been awarded a baccalaureate degree may obtain a second bachelor’s degree in most non-teaching majors at Montclair State. Business Administration is not available. A minimum of 32 semester hours must be completed at Montclair State after admission to a second baccalaureate program. A minimum of 12 semester hours, of the 32 required, must be taken from upper-level (300 or higher) courses in the major. The academic departments determine the exact number of semester hours of major and collateral courses to be completed for the second bachelor’s degree. Credits earned through this program are considered undergraduate and not applicable toward a higher degree at a later date. Second BA students pay appropriate undergraduate tuition and fees.

2. Students are eligible to apply for admission to a second baccalaureate degree program if they have graduated from an accredited four-year college with a minimum cumulative grade point average of 2.50 based upon a possible 4.00 system.

3. Applications and admission dates for second baccalaureate students:

<table>
<thead>
<tr>
<th>Admission for:</th>
<th>Completed application on file by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall semester</td>
<td>June 15</td>
</tr>
<tr>
<td>Spring semester</td>
<td>November 1</td>
</tr>
</tbody>
</table>

Readmission

Matriculated undergraduate students who were admitted to Montclair State, leave the institution in good standing and have been in attendance at least one semester (including summer sessions) during the immediate past academic year need not formally apply for readmission, and may continue either full- or part-time study by requesting registration information from the Office of the Registrar.

Matriculated undergraduate students who have not been in attendance for more than one academic year or who are returning from academic furlough or suspension must submit an application for readmission to the Office of the Admissions and be accepted prior to registering.

Readmitted students who have not been in attendance at MSU for more than 10 years will be responsible for fulfilling the General Education Requirements that are in effect for the catalog year at the time of readmission. Departmental chairpersons will continue to have the authority to make course substitutions within their respective disciplines.

Students who are readmitted within 10 years of having last attended the University have the option of following the General Education Requirements that were in effect for the catalog year of initial admission or any subsequent catalog year. Both categories of students must fulfill the current major requirements. This policy is effective for Spring, 2003 and thereafter.

Provisionally matriculated undergraduate students who left the University in good standing and who have not been in attendance for more than three semesters must submit an application for readmission to the Office of Admissions to be considered for re-admission prior to registering.

Provisions for Non-Native Speakers of English

Students who did not complete four years of high school studies in the United States and/or students who have not successfully completed one year of full-time enrollment in academic courses [not English as a Second Language (ESL) or basic skills courses] at a regionally accredited U.S. college or university will be required to take an English test administered at Montclair State University (MSU) prior to registration. Those who are required to take this ESL Placement Exam, and who achieve a score which indicates a need for ESL instruction, MUST enroll in ESL courses prior to Basic Reading Skills (READ 053), Introduction to Writing (ENWR 100) and/or College Writing I: Intellectual Prose (ENWR 105) and must postpone their enrollment in Introduction to Writing (ENWR 100) and/or College Writing I: Intellectual Prose (ENWR 105) until the necessary ESL courses have been completed. Students enrolled in ESL courses should not take the writing portions of the Montclair State University Placement Test (MSUPT) until their last semester of ESL coursework. The ESL Placement Exams are given about once a month throughout the year. The ESL courses are administered by the Linguistics Department. Only those students who are eligible to take and have taken MSU’s ESL Placement Exam are eligible to enroll in the ESL courses.

If a student is admitted to MSU and his/her ESL Placement scores indicate that ESL courses are needed, the appropriate courses will be added to the student’s degree work program. Students who need to take ESL courses must begin to take these courses during their first semester of enrollment. Full-time students must complete all required ESL courses during their first year of enrollment. Part-time students must enroll in at least one required course during their first semester and continue taking ESL courses each semester until all required ESL courses have been completed; all required ESL courses must be completed within the first two years of enrollment. Students who do not complete this requirement may be dismissed from the university.

For additional information about the ESL Placement exam, contact the ESL Placement Testing Coordinator, Dickson Hall, Room 116, telephone 973-655-7965. For further information about ESL coursework, contact the Linguistics Department, Dickson Hall, Room 121, telephone 973-655-4286.
Tuition and Fees

In order to qualify for the in-state tuition rate, the student, parent(s), or guardian(s) upon whom the student is financially dependent must have lived within the State of New Jersey for a continuous period of one year immediately prior to enrollment. (N.J.S.A. 18:62) All foreign exchange students and students with non-resident immigration visas are considered non-residents for tuition purposes, regardless of where they reside upon attending Montclair State University. Any questions concerning residency status should be directed to the Bursar’s Office.

**Tuition***

New Undergraduates—Full-time (12-18 credit hours per semester):
- New Jersey Resident .......................... $2,655.73 per semester
- Non Resident........................................ $4,417.86 per semester

New Undergraduates—Part-time (less than 12 credit hours per semester):
- New Jersey Resident .......................... $177.04 per semester hour
- Non Resident........................................ $294.47 per semester hour

Returning Undergraduates, Full-time and Part-time:
- New Jersey Resident .......................... $161.64 per semester hour
- Non Resident........................................ $273.99 per semester hour

**Fees**

- General Service Fee ....................... $11.00 per semester hour
- Student Union Building Fee ............. $11.10 per semester hour
- Student Government Association Fee... $3.24 per semester hour
- Athletic Fee ................................. $6.60 per semester hour
- Computer Technology Fee ............... $6.10 per semester hour
- Facilities Fee ............................... $9.25 per semester hour
- Wellness Fee ................................ $6.00 per semester hour
- Recreation Fee ......................... $5.00 per semester hour
- Performing Arts Fee .................. $2.50 per semester hour
- Transportation Fee .................. $17.00 per semester hour
- Student Health Insurance ................ $97.00 per year-full time students only

**Special Fees**

- Application Fee .......................... $55.00
- Commencement Fee ....................... $70.00
- Freshman Orientation: Freshman Fee... $125.00
- Family Orientation Fee ...................... $40.00
- Late Registration Fee for any student who registers late ... $50.00
- Late payment penalty for non-payment of account... $100 per semester
- Dishonored Check Fee:
  - Minimum Fee................................ $15.00
  - Maximum Fee............................... $60.00
- LD. Card Replacement Fee (lost card)................. $10.00
- International Student Fee ................. $60.00
- Music Fees: Courses in applied music and private study in composition pay regular tuition and fees, plus $400 per applied music course.
- Older Adult Program Fee (non-refundable) ........... $40.00
- Parking Permit Fee .......................... $57.50
- Parking Fines................................ $25.00-100.00
- Professional Liability Fee (non-refundable) ........ $15.00
- Special Course/Lab Fee ..................... $10.00-100.00
- Challenge Exam Fee ....................... $100.00
- Student Teaching Fee ....................... $300.00
- Studio Fee ................................. $5.00-$250.00
- Transcript Fee ................................ $6.00 per copy
- Same Day Service.... $12.00 first copy, $8.00 each additional copy
- Transfer Orientation Fee ............... $40.00
- Visiting Student Fee ....................... $25.00

*Tuition and fees are subject to change without prior notice.

Refund of Tuition and Fees

Tuition and fees are refundable in full if classes are discontinued by Montclair State University.

| Per Cent Refunded | Withdrawal during the first week of the semester for full term courses and prior to the third class meeting for all short term or mini courses | 100%
| Withdrawal during the first third of course | 50%
| Withdrawal after the first third of course | none

Refunds for short term courses will be calculated in the same manner at the time of withdrawal.

Students are not permitted to withdraw from courses after the midpoint of the semester. In computing refunds, the date of withdrawal is the date on which the Office of the Registrar receives a written notice from the student or from the date of the postmark for those received through the U.S. mail.

Montclair State Monthly Payment Plan

This interest-free monthly payment plan, provided through Tuition Management Systems, allows full-time students (international students excluded) to spread fall and spring tuition, fees, housing and meals over 10 equal monthly payments. There are no interest charges and the fee for the entire year, beginning in June, is only $95. Payments begin on June 1st and end March 1st. You can enter the plan until late July for first semester, and late December for second semester simply by making any payments already due. To receive enrollment information contact the Student Accounts office at 973-655-4105 or contact Tuition Management Systems at 800-722-4867 or online at www.afford.com.

Uncollectible Debts - If a student account is sent to a collection agency, the student will be responsible for the tuition and fees, room and board owed to Montclair State University, as well as the collection agency costs incurred.
## Summary of Expenses

Estimated tuition*, fees*, housing** and meal expenses** for students attending Montclair State University are as follows for the nine month September-May academic year for a student taking 30 credits:

<table>
<thead>
<tr>
<th></th>
<th>N J Resident</th>
<th>N J Resident</th>
<th>N J Resident</th>
<th>Non Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>New Student</td>
<td>Returning Student</td>
<td>New Student</td>
<td>New Student</td>
</tr>
<tr>
<td>Commuting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition</td>
<td>$ 5,311.46</td>
<td>$ 4,849.20</td>
<td>$ 5,311.46</td>
<td>$ 8,835.72</td>
</tr>
<tr>
<td>Fees (identified above)</td>
<td>1,943.70</td>
<td>1,943.70</td>
<td>1,943.70</td>
<td>1,943.70</td>
</tr>
<tr>
<td>Subtotal (tuition and fees)</td>
<td>$ 7,255.16</td>
<td>$ 6,792.90</td>
<td>$ 7,255.16</td>
<td>$ 10,779.42</td>
</tr>
<tr>
<td>Housing (estimated) Single</td>
<td>0.00</td>
<td>0.00</td>
<td>6,400.00</td>
<td>6,400.00</td>
</tr>
<tr>
<td>Meals (estimated) Maximum Meal Plan</td>
<td>0.00</td>
<td>0.00</td>
<td>2,460.00</td>
<td>2,460.00</td>
</tr>
<tr>
<td>Subtotal (payable to the University)</td>
<td>$ 7,255.16</td>
<td>$ 6,792.90</td>
<td>$ 16,115.16</td>
<td>$ 19,639.42</td>
</tr>
<tr>
<td>Textbooks and Supplies (estimated)</td>
<td>$ 800.00</td>
<td>$ 800.00</td>
<td>$ 800.00</td>
<td>$ 800.00</td>
</tr>
<tr>
<td>Personal Expenses (estimated)</td>
<td>950.00</td>
<td>950.00</td>
<td>950.00</td>
<td>950.00</td>
</tr>
<tr>
<td>Total</td>
<td>$ 9,005.16</td>
<td>$ 8,542.90</td>
<td>$ 17,865.16</td>
<td>$ 21,389.42</td>
</tr>
</tbody>
</table>

*Tuition and fee expenses are based upon Fall 2004 projected rates.

**Housing and meal expenses are based on Fall 2003 single rate and maximum meal plan.

*All Tuition, Fees, housing, and Meal Expenses are Subject to Change
Resources and Facilities

Alumni Association/Office of Alumni Relations

All graduates of Montclair State University automatically become members of the Alumni Association, a non-profit organization that has served alumni since 1910. Contributions to the Annual Fund allow the Association, working in cooperation with staff in the Office of Alumni Relations, to support a number of programs including faculty research grants, outstanding graduate student awards, undergraduate scholarships, reunions, an affinity card program, an Online Community with a Business Card Exchange, an online Job Bank, seminars and other noteworthy projects. The Office of Alumni Relations also works with academic and other departments in organizing and promoting targeted alumni programming.

The Office of Alumni Relations is located on the second floor of the Alumni House, 34 Normal Avenue, Montclair, NJ 07043 (across from the football field), telephone, 973-655-4141.

Auxiliary Services

The Office of Auxiliary Services, located at 855 Valley Road, Clifton, NJ, represents the University for services contracted from outside sources such as the University Bookstore, as well as overseeing Central Printing and Photocopying, Convenience Copiers, and Red Hawk Dollars. For more information, please call 973-655-7431.

Bookstore

The bookstore is located on the lower level of the Student Center. Normal hours of operation are Monday through Thursday, 8:30 a.m.-8:00 p.m., Fridays, 8:30 a.m.-4:30 p.m., and Saturdays, 10:00 a.m. to 2:00 p.m. Extended hours are available at the beginning of each semester. Telephone, 973-655-5460.

The bookstore carries required textbooks and supplies as well as a wide variety of other merchandise including Apple computers. In many cases, textbooks are available for purchase several weeks prior to the beginning of the semester. It is recommended that students bring their course schedules to the bookstore to aid in the selection of books, which should be purchased early. On-line purchasing of textbooks is now available via the bookstore's Textbook Ordering System. You can either purchase or reserve your textbooks by logging onto www.montclair.bksr.com. During the fall and spring semesters, undamaged books may be returned within 15 calendar days of the first day of class provided that students produce sales receipts.

Campus Recreation and Intramural Services

Aligned in the Division of Student Development and Campus Life, Campus Recreation and Intramural Services is a unit of the Dean of Students. Campus Recreation and Intramural Services provides opportunities for the entire campus community to participate in a variety of recreational and fitness activities. Recreational programs and facilities include intramural sports, open gym hours, aerobic classes, open swimming, special events, and use of the Fitness Center and the Fieldhouse. Various sports clubs are also available including rugby and ice hockey.

For information on facility hours, please call 973-655-4354. For program information, please call the Assistant Director of Campus Recreation at 973-655-5350. For more information, please visit our website at www.montclair.edu/pages/campusrec

Career Development Center

Academic Success Center, Morehead Hall, Room 337
Telephone: 973-655-5194, 5364

Career development is a lifelong process built on self-understanding, exploration of career interest, and acquiring skills in locating employment opportunities. The Career Development Center assists students with all phases of the career decision making process from freshman year to graduation. Students acquire skills to choose a major, find part-time work while attending school, plan long-term career goals and obtain full-time work after graduation.

Individualized counseling and testing help students learn more about themselves and the connection between their values, skills, interests and the world of work. Workshops are designed to teach students to write effective resumes, conduct successful interviews, and use the Internet for the job search. Other services include on-campus recruitment by major employers, career fairs, web-based job listings and a career library. Students who are interested in working off-campus during the semester can review job postings for full-time, part-time, and internship positions provided by employers in the Career Development Center at Morehead Hall, third floor. Visit the office home page at http://www.montclair.edu/careerservices to learn about current office programs, graduate schools, and information for students with disabilities, the alumni network and national job listings.

Child Care Center

The Child Care Center has been designed to be an exciting, inviting place where children can explore a wide variety of materials and activities while under the supervision of professionally trained and certified teachers. The Child Care Center provides developmentally appropriate programs for children ages three months through six years. The Center may be used by Montclair State students, faculty and staff for their children.

The Center is located in Stone Hall and the hours are 7:30 a.m. to 6:00 p.m. Arrangements can be made to provide child care until 8:00 p.m. if the need exists.

For further information and fees, please contact Janey DeLuca, Director, telephone, 973-655-7586.

Communication Disorders Center

The Communication Disorders Center is the clinical education and training facility for the master's degree program in speech-language pathology offered by the Department of Communication Sciences and Disorders. Student-clinicians, under the supervision of department faculty and professional staff, apply the diagnostic and treatment methods they have learned in their courses to assist children and adults of all ages who have disorders of communication. The Center is in operation all year, including the summer pre-session and six-week session. Services are provided to children and adults from the communities surrounding the campus and to students and staff of the University. The services available include the evaluation and treatment of disorders of articulation, voice, language, and fluency (stuttering) and for the communication problems related to hearing impairment, stroke, cleft palate, cerebral palsy, or cognitive deficits. Assistance with accent reduction is also available. For further information, contact the clinic coordinator, Elaine Hitchcock, telephone, 973-655-4232; fax, 973-655-7072.
Federal Work-Study Employment

Eligibility

Federal Work-Study (FWS) makes it possible for a Montclair student to earn money in a federally supported work-study program on- or off-campus. Eligibility is based on need as determined by the Free Application for Federal Student Aid (FAFSA). Award letters are sent to eligible students. Earnings can be used for educational expenses. Visit the Office of Student Financial Aid website, www.montclair.edu/financialaid for information.

On-Campus Employment

Montclair students who receive award letters indicating their eligibility for FWS can review job descriptions for on-campus employment in the Career Development Center, Morehead Hall, third floor. For more information, visit our home page at www.montclair.edu/careerservices or telephone 973-655-5194.

Off-Campus Employment

Federal Work Study students are eligible to participate in the University's America Reads Program. America Reads students are trained to be reading tutors for elementary school children in the Montclair community. For information, or to apply, contact the Service-Learning Program, Morehead Hall, third floor, telephone, 973-655-4363

Global Education Center

The Global Education Center at Montclair State University is designed to coordinate all international activities on campus, plan new efforts, and to advance international objectives across colleges and schools. It comprises the offices of International Services, Study Abroad Programs, International Summer Institutes and Programs for Faculty and Scholars. The Center is located at 22 Normal Avenue and is open from 8:30 a.m. to 4:30 p.m. Monday through Friday throughout the school year and from 8:00 a.m. to 5:15 p.m. Monday through Thursday in the summer.

Programs for Faculty and Scholars:

Through a grant program, the Center encourages MSU faculty to develop international expertise in their disciplines by facilitating scholarly research, teaching exchanges, collaborative projects and participation in international conferences. The Center manages linkages with institutions around the world; hosts international faculty and scholars; sponsors the Forum on International Issues series that brings distinguished international visitors to address students and faculty, and the “Tea and Talk” lecture series that provides an opportunity for faculty to interact with international scholars; it administers "Global Images: International Travel Photography," an annual photography competition for faculty and staff. It provides housing for international scholars at the Global Guest House at The Village, a new apartment complex. The Center publishes a biannual newsletter distributed to the University community and partner universities throughout the world.

International Services:

The Office of International Services is available to assist all international students, scholars, and faculty will all issues related to their adjustment to the University, the United States, and their immigration status. Programs and services are designed especially for international members of the University community to support them as they adjust both academically and culturally. International Orientation Sessions are held at the beginning of each semester.

Students who wish to obtain student visa status must obtain the I-20, Certificate of Financial Eligibility.

Advisement on the legal processing of this form is available. Students transferring from another United States college or university must also complete the Foreign Student Advisor's report. All students attending the University on F-1 Student Status or J-1 Exchange Visitor Status must be enrolled full-time (12 credits - undergraduate and 9 credits - graduate).

Montclair State University is authorized under federal laws to enroll non-immigrant alien students and participates in SEVIS, the Student and Exchange Visitor Information System.

The office of International Services is located in the Global Education Center at 22 Normal Avenue; telephone 973-655-6862. Visit us on the web at www.montclair.edu/international or e-mail us at international.services@montclair.edu

Study Abroad Programs:

Study Abroad is an educational and cultural experience that helps prepare students to become global citizens. Montclair State University offers students the opportunity to earn MSU credits while studying overseas. MSU currently has affiliations with almost 200 programs in over 50 countries including exchange, study abroad and international internship agreements. Programs incorporate all majors and include area studies, traditional intensive language programs, academic field studies, language and culture programs along with general education classes. Several enrollment options are available such as summer, term, semester and year long programs as well as short term faculty-led experiences.

There are numerous scholarships and exchange opportunities open to students applying to study abroad. These include scholarships for free tuition, room and board to study in Graz, Austria or Guadalajara, Mexico. Scholarships are also available for the new MSU Music Program at the Moscow Conservatory in Russia. In the past, private organizations have also joined with the Global Education Center to offer scholarships, such as Overseas Neighbors of Montclair offering scholarships to study in Austria, and UNICO offering scholarships to Italy. MSU students have been recipients of national scholarships such as The Benjamin A. Gilman Scholarship, Fulbright, Freeman Asia, Bridging Scholarship, International Student Exchange Program, College Consortium for International Studies, Rotary World Peace Scholarship, and Oxford University in England. The Study Abroad Office will help identify and assist students with applications.

The Global Education Center offers students study abroad advisement, a full range of support services including program selection, credit transfer procedures, financial aid, registration, travel information and cultural adjustment. The Center also provides pre-departure and re-entry workshops.

For further information on Study Abroad Programs, contact Tracy Hogan, Study Abroad Advisor at 973-655-4438, e-mail HoganT@mail.montclair.edu or visit us on the web at http://www.montclair.edu/globaled/students.html.

International Summer Institutes:

Study abroad institutes are 4-6 week thematic study and travel programs let by MSU faculty and held at host universities and institutions in France, Spain, Italy, England, Mexico, China and other countries. Participants select two courses (six credits) from program-specific offerings, focused on language, literature, area studies, cultural history, and art history. All international travel arrangements, housing, numerous faculty-led field trips and overnight excursions are built into the programs to provide a comprehensive cultural experience appropriate to novice as well as experience travelers. The programs are open to MSU students. Visiting Students and in some cases members of the community and high achiev-
ing high school students. Each program includes country-specific orientations prior to departure and upon arrival in the host country, as well as re-entry workshops. A limited number of scholarships are offered to MSU students for participation in these programs. New programs are being developed each year.

For further information on International Summer Institutes, please contact Wendy Gilbert-Simon, Global Programs Coordinator, at 973-655-4185 or e-mail simonW@mail.montclair.edu or visit us on the web at http://www.montclair.edu/globaled/summer3.htm.

Information Technology

The Office of Information Technology at Montclair State University provides the University community with the computing equipment, networking and telecommunications infrastructure and user support services necessary to conduct the teaching, learning, research and administrative business of the institution. In December of 2001, the University opened The Technology Solutions Center (TSC), our one-stop integrated services center located in College Hall, room 124, designed to simplify the manner in which computer and technology users on campus obtain service and assistance.

The Technology Solutions Center is home to our Computer Helpline, our media services staff, our training facilities, as well as a staff of technical experts prepared to assist with a wide variety of technology related topics. Among the technology services offered by the TSC are: Purchasing assistance, installation, configuration, support, maintenance of University-owned hardware, computer and general software questions; technical assistance through the helpdesk, which is available during all business hours as well as extended hours for basic assistance with common software and to log and communicate requests for computer assistance and services provided by all elements of Office of Information Technology.

Based in the TSC is the IT Faculty and Staff development program which provides support and training to MSU faculty and staff for integrating technology into instructional programs and departmental activities. The development program includes: technology-related activities, materials and training for MSU faculty and staff; one-on-one support, project advisement, semi-structured workshops and support to campus events; support to faculty on how to integrate technology into an instructional program; CO-123, which serves as both a training room and an educational technology learning lab; support for web-based course management systems and publishing; coordination of MSU staff development; communication of OIT projects, announcements and websites.

The TSC also provides maintenance for educational equipment such as projection devices, mobile teaching stations and The Distance Learning Room (located in CO-301). These media resources are used by faculty and staff in conjunction with teaching and presentation sessions offered to students, faculty and staff at the University. The Distance Learning Room can participate in 2-way audio and video transmission and can be used as a satellite downlink site. Instruction on how to use educational equipment or The Distance Learning Room is available through the TSC.

Other Information Technology Service units that may be reached through the Technology Solutions Center are:

Management Information Systems (MIS) maintains and manages the campus systems including the Student Information System. These systems house information pertaining to all students, including grading and financial records. MIS also provides support and service to the groups on campus that use, maintain and generate reports from these systems. MIS can be contacted at 973-655-4040.

Systems, Security, Networking and Telecommunications provides the infrastructure services to the campus including the campus network Internet access from both on and off-campus telephone services and systems including campus-wide e-mail. Networking maintains the campus fiber optic system, the internal building wiring and the networking equipment and software.

RESnet, part of Systems, Security, Networking and Telecommunications, provides networking connections to students in the residence halls. These connections provide access to the Internet. RESnet can be contacted by the Internet at http://resnet.montclair.edu or through the Helpline.

Telecommunications, also part of Systems, Security, Networking and Telecommunications, provides all telephones to the campus, including the Student Residence Halls. All residents have access to the telephone systems, using individual authorization codes that allow individualized billing for each student. Telecommunications can be contacted through the Helpline or at 973-655-4107 or through the main office at 973-655-4040.

Language Placement Testing

The Office of Language Placement Testing administers placement tests in six world languages (French, German, Italian, Latin, Russian, and Spanish). The testing program is designed to assist students in fulfilling their degree requirements by placing them in the appropriate level language course.

All undergraduates are required to complete six semester hours of a world language before graduating, and the Placement Test is required of all students who wish to continue studying a language with which they already have some experience. Students’ placement into a world language class is based upon a review of both the Placement Test results and the number of years the student studied the language in high school.

Language Placement Testing coordinates its testing programs with the Center for Academic Development and Assessment, the office responsible for the administration of the Montclair State University Placement Test (MSUPT).

For additional information regarding the World Language Requirement, see the entry under Requirements for the Undergraduate Degree for the specific degree which you are pursuing. The Language Placement Testing Office is located in Dickson Hall, room 287; telephone, 973-655-6980; e-mail address: foreign.language.placement@montclair.edu.

ESL Placement Test: For non-native speakers of English, the Linguistics department offers an ESL Placement Test. MSU offers a full program of ESL classes designed to help prepare students for the academic demands of university level coursework, and proper placement into these courses is essential to maintain steady progress towards a degree. For additional information contact ESL office, Dickson Hall, room 116; telephone 973-655-7695; e-mail address; bolettier.t@montclair.edu.

Library

The Harry A. Sprague Library’s resources, services, and facilities support the academic, intellectual, and cultural needs of the university community.

The collections contain more than 400,000 volumes as well as materials in diverse formats such as microforms, CDs, and videocassettes. The Library subscribes to over 2,500 periodicals and is a depository for United States and New Jersey government publications. Many online databases are available through the Library’s homepage. Materials not owned by the
Library may be borrowed from other libraries. Photocopiers and microform reader/printers are available for reading and copying film and fiche collections of journals, newspapers, monographs, proceedings, reports, and government documents.

A validated ID is needed to borrow books. Soon after acquiring a validated ID card, students and faculty should register at the Circulation Counter of the Library to establish borrowing privileges.

The Library's Home Page provides access to the Library's online catalog; to online databases (many full-text); to information about the Library's resources and services; and to selected Internet sites. The Library offers online search services and subscribes to many Internet accessible and CD ROM databases covering a variety of subject fields. In the computer lab students may search the Internet, use campus computer programs, send and receive e-mail, and work on assignments using various software programs.

Helpful and knowledgeable librarians provide assistance regarding the location, evaluation, and retrieval of information resources and the use of library services. The librarians also conduct classes ranging from orientation to advanced research and assist students with individual projects.

The Library is located in the center of campus and provides comfortable and attractive areas for reading and studying, including individual seating and group study rooms. A snack lounge is located on the Lower Level. Services are available to patrons with disabilities to enable them to examine and retrieve materials and to access services.

For Library hours: telephone, 973-655-4298. For reference information telephone 973-655-4291. For Library Administrative office, telephone 973-655-4301. The Library's website is: http://library.montclair.edu

The Literacy Enrichment Center

The Literacy Enrichment Center, located in the southwest corner of College Hall, rooms CO 101 to CO 109, telephone number, 973-655-4247, has faculty and facilities to provide literacy enrichment and study skills support to university students. Consultation, computer assisted instruction, tutoring and independent activities are available.

In addition to campus services available in the Literacy Enrichment Center, community needs are served by a literacy clinic for ages 6 - 18. The Center provides clinical and educational experiences for undergraduate and graduate students also.

Panzer School Council

In 1958, Panzer College, a noted single-purpose institution with a rich tradition of developing teachers for physical education and health, was incorporated into Montclair State College and became known as the Panzer School of Physical Education and Hygiene at Montclair State. The College became the custodian and depository of Panzer College records. The Panzer School Council was established in 1971 during a reorganization of the College. Presently, the Council is part of the College of Education and Human Services, Montclair State University. Membership consists of the chairperson of the Department of Health Professions, Physical Education, Recreation, and Leisure Studies and the Dean of the College of Education and Human Services. A major portion of the Council’s efforts to aid students in extra-curricular activities are actively and generously supported by the Panzer-Montclair State University Alumni Association. Such support takes the form of direct scholarship aid, providing funds for professional conferences, workshops and sports clinics. Telephone, 973-655-5167.

Pre-Law Advisor

The faculty of the Department of Legal Studies counsels interested students regarding the possibilities and procedures for law school admissions. Students desiring advisement should schedule an appointment through the Department secretary. A library of law school catalogues, as well as other informative materials regarding law school admissions, are also available for review. In addition, the Department offers a Pre-Law Studies minor, an interdisciplinary program, which provides a basic foundation for those interested in attending law school. Questions regarding the Pre-Law minor can be directed to the Department chair, Dickson Hall, Room 348, telephone, 973-655-4152.

Psychoeducational Center

The Psychoeducational Center is a campus-based training facility. Its purpose is to provide interdisciplinary clinical and educational experiences for students of Montclair State University who are preparing for professional roles as early childhood, elementary, special education and literacy educators, music therapists, speech pathologists, or learning disabilities specialists. Training is conducted through the campus demonstration school, early intervention program, and testing center, which provide service to the community. The Demonstration Preschool specializes in providingdevelopmentally appropriate services to three to five year old children on the spectrum of autism. The center is located in the Speech building, telephone, 973-655-4255 and on Clove Road at 973-655-4357.

Summer Sessions

Summer Sessions at Montclair State University provides opportunities for people to pursue undergraduate or graduate studies and take advantage of special educational, cultural and activity programs during June, July and August. Montclair State students, visiting students currently enrolled at other colleges and universities, students who are accepted to begin their college or university studies for the subsequent fall semester and high achieving high school students are encouraged to pursue their undergraduate or graduate studies during summer. High school graduates who have been out of school for at least two years may apply for non-degree undergraduate study and become eligible to enroll in summer courses. Undergraduate and graduate credit courses are offered each summer in the arts, business, computer science, education, human services, humanities, mathematics, natural sciences, and social sciences. In addition, special non-credit and credit programs and workshops are offered. These include the gifted and talented camp for fifth through tenth graders, Stokes Forest Music Camp for youth between 10-18 years of age, English as a second language instruction, Educational Opportunity Fund residential experience, international summer institutes through the Global Education Center, and more.

Summer Sessions include a pre-session of three-week and four-week courses in late May through mid-June. In addition, there is a three-week post-session in August. The eight-week session begins mid-June and runs through the first week of August. Within the eight-week session, some courses are offered during just the first four weeks or second four weeks. A six-week program begins the end of June and ends concurrently with the eight-week session. Daytime classes generally meet Monday through Thursday while evening classes meet on a Monday/Wednesday or Tuesday/Thursday schedule. A number of twelve week evening courses meet once a week from late May through early August, and Saturday morning courses are offered over a ten-week period that begins in early June. All
summer credit courses meet the same academic and hours requirements as those offered during the fall and spring semesters.

Learn more about Summer Sessions at Montclair State. For further information, contact Montclair State University, Summer Sessions, College Hall, Room 215, Montclair, New Jersey 07043. Telephone, 973-655-4352. Fax, 973-655-7851. E-mail: summer@montclair.edu Website: www.montclair.edu/summer

**Television Center**

The DuMont Television Center functions as a support facility to the University and community. It serves as a laboratory for departments within MSU which instruct about television. The center assists with television services, including maintenance, repair, duplication of videotapes, advisement, consultation, video satellite viewing, distance learning, video teleconferences, and international standards conversion (VHS only). It also supports projects in television production for the university administration, instructional programs, students and co-curricular activities. Whenever possible, assistance is provided to the outside community.

The DuMont Television Center is located at the south end of Life Hall, room 117, telephone, 973-655-4341.

**Transportation and Parking**

All students must register for a parking permit at the start of each academic year. Students whose vehicle displays a current permit are authorized to bring registered vehicles only to campus. A shuttle bus system provides service throughout the campus, including service to and from the Red Hawk Deck, Student Center, general parking lots, NJ Transit train station, Clove Road apartments, and the Village at Little Falls.

Please refer to the following website for the Parking Rules and Regulations, as well as other pertinent transportation and parking information: http://www.montclair.edu/pages/ofos/Parking/index.shtml

**The Writing Center**

The Writing Center is available to all university students who are committed to developing themselves as writers. Designed as a separate, but complementary experience to that of the classroom, the Writing Center offers one hour weekly one-on-one tutoring sessions with trained Graduate Assistants. The goal of these sessions is to provide practical and encouraging feedback that enables writers to improve their ability to develop and express complex ideas clearly and meaningfully. Tutors work with students at any stage in the writing process: topic development, drafting, re-writing or editing.

Students may choose to come to the Writing Center on their own, or they may be required to attend by an instructor. We encourage writers at all academic and developmental levels to visit the Writing Center as it is our philosophy and our experience that all writers, from published writers to first-year writers, benefit from feedback offered by engaged and dedicated readers. Students enrolled in writing-intensive courses, such as Introduction to Writing and College Writing I and II, or their academic department’s writing-requirement designated courses, are particularly encouraged to take advantage of the tutoring provided at the Writing Center.

There is no charge for these services. If an instructor has asked a student to seek tutoring, the instructor should fill out a Tutor Referral Form. This can be printed from the Writing Center web page located at English.montclair.edu. The Writing Center offers one-hour weekly appointments, as well as drop-in appointments. We look forward to assisting you. The Writing Center is located in Dickson Hall, room 285; telephone, 973-655-7442.
Division of Student Development and Campus Life

The mission of Student Development and Campus Life is to support and enhance the educational mission of Montclair State University and to assist students in reaching their goals. Division staff work in a cooperative relationship with the faculty, staff, and students to provide an environment that fosters the intellectual, psychological, physical, social and career development of students. The Vice President for Student Development and Campus Life coordinates the activities of: Academic Success Center, Admissions, Dean of Students, Financial Aid, Registrar, Intercollegiate Athletics, Residence Life, Student Center, University Police and Wellness Services. In addition, the Vice President, assisted by an Executive Assistant, the Dean of Students and Associate Deans of Students, serves as an advocate on behalf of all students attending Montclair State University.

Academic Success Center
Academic Success Center, Morehead Hall
Telephone: 973-655-4153

In the Academic Success Center (Morehead Hall), Montclair State University students may find a wide array of services designed to assist and support them as they progress from their admission to the university to the completion of their college degrees. Each of these programs is listed in alphabetical order, along with a brief description.

Center for Academic Advising and Adult Learning
Academic Success Center, Morehead Hall, Room 132
Telephone: 973-655-7114

MSU’s dual advising system provides academic advising to students with majors and those who have not yet selected a major. Students with majors are assigned a faculty advisor within their respective departments. Students who remain undeclared beyond their freshman year, readmitted students, and those changing majors are seen by the academic advisors in the Center for Academic Advising and Adult Learning (CAAAAL). Academic advisors and faculty advisors help students make informed decisions about course selections, academic programs and career possibilities. Students are encouraged to meet with their academic or faculty advisors each semester.

In addition to providing assistance to undeclared students, the Center for Academic Advising and Adult Learning works with adult students starting school for the first time, or returning to school after at least a 2 year absence. CAAAAL recognizes and addresses the unique needs of adult learners by providing academic counseling, information about earning credits through various mediums and an Adult Academic Success Seminar which focuses on adults beginning or returning to college.

CAAAAL also oversees the Older Adult Tuition Waiver (OLA) Program which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students with a high school diploma or its equivalent may take undergraduate courses. Students with an undergraduate degree may take undergraduate or graduate courses, but must pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements.

The Center is open Tuesday, Wednesday, Friday 8:30 to 4:30 p.m. and Monday and Thursday 8:30 a.m. to 7:00 p.m. during the fall and spring semester.

Center for Academic Development and Assessment
Academic Success Center, Morehead Hall, Room 139-145
Telephone: 973-655-4476/4364

The Center for Academic Development and Assessment (CADA) encompasses two major functions: 1) it coordinates and administers the Montclair State University Placement Test (MSUPT), challenge testing, post testing, readiness testing, and proctoring services to non-MSU students and external agencies, and 2) provides individual and group academic development services including tutoring to all MSU students.

The MSUPT is required of all entering freshmen, readmitted and transfer students with fewer than 26 transferable credit hours. This test includes a Basic Skills Placement Test in language and mathematics and the College Level Math Placement Test. The scholastic record of every entering undergraduate student is screened and in combination with the placement test scores, their proficiency in reading, writing, and mathematics is determined. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT. Some of these courses might offer credits, which could be used toward graduation. All students requiring developmental courses are expected to enroll in these courses during their first semester of attendance. CADA also provides guidance to other students whose records indicate that additional evaluation is necessary to determine appropriate placement in courses. In addition, CADA coordinates its testing program with the Foreign Language Placement Test and the English as a Second Language Placement Test. It also provides support to the Mathematical Sciences department in its Math Readiness Testing program. The Center for Academic Development and Assessment monitors the completion of all required developmental courses. For additional information on the MSU Basic Skills Requirements, see the entry under Academic Policies and Procedures. For more information on the MSUPT, contact our office.

The academic development component of CADA is designed to assist students achieve to their highest academic potential. Peer tutors, master tutors and graduate assistants are trained to provide individual and small group tutorial sessions in a variety of General Education and major courses. Appointments and walk-in are welcomed. Tutorial services are available from 9:00 a.m. to 8:00 p.m. Monday through Thursday, and 9:00 a.m. to 1:00 p.m. on Fridays. The service is completely free for all MSU students. In addition, CADA offers study strategies and learning techniques seminars, which include time management strategies, memory techniques, test taking, and not taking skills among others. Additionally, a series of Learning Power videotapes are available to individuals and/or small groups. To preview these videotapes please, call for an appointment.
**Educational Opportunity Fund Program**

*Academic Success Center, Morehead Hall, Room 207
Telephone: 973-655-4385*

The Educational Opportunity Fund (EOF) Program provides special admissions, financial aid, and academic support services for highly motivated students who do not meet regular admission criteria. Eligible students come from low-income families and must be New Jersey residents. Admitted students qualify for enough financial aid to meet the expenses of tuition, fees, room and board, books, and transportation.

Applicants to the E.O.F. Program must be seeking full-time admission, residents of New Jersey for at least one year, from an educationally and economically disadvantaged background, and ineligible for admission by regular standards. Counseling, tutorial services and a six-week summer program prior to the beginning of the fall semester are mandatory components of the Program. E.O.F. assists students in adjusting to college life and competing scholastically. Scholastic Assessment Test (SAT I) must be taken no later than January of the senior year of high school.

E.O.F. Program applicants file an application for admission to Montclair State along with the Financial Aid Questionnaire according to the full-time freshman application date (March 1) for fall semester admission. In addition, complete the free application for federal aid (FAFSA) listing Montclair State University.

Family Gross Annual Income Limitations for Dependent Student Eligibility:

Households of 2 persons............................................................ $24,240

Add $6,280 for each additional member of household.

Application and admission dates for E.O.F. freshmen candidates:

**Completed application on file by:**

- **Fall semester:** March 1

Further information may be obtained through the Educational Opportunity Fund Office, Morehead Hall, room 207, telephone, 973-655-4385.

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**New Student Experience**

*Academic Success Center, Morehead Hall, Room 100
Telephone: 973-655-7609*

The Office of New Student Experience coordinates several programs that maximize the student’s potential for personal and academic success. The following is a list of programs for first year students:

**New Student Orientation:** All freshmen and transfer students are required to attend Orientation. During this program students participate in a variety of informative and exciting activities; they gather information about life on a college campus, learn about student policies and procedures, and explore academic opportunities. In addition, all full-time freshmen will meet with an academic advisor and register for courses during orientation. Transfer students should contact Academic Advising to register for courses prior to orientation.

**Freshman Experience:** Beginning fall 2002, all freshmen are required to enroll in a Freshman Experience course. This course is designed to help the new college student become acclimated to campus life and the academic community. Throughout the course students are introduced to a variety of strategies that can enhance learning and increase academic success.

**Welcome Week:** The New Student Experience staff working in conjunction with the faculty, administrators, staff and students of MSU, offer Welcome Week to help students become familiar with all facets of campus life. As the first week at college can be somewhat unsettling, we coordinate a week of activities and programs that are informational, entertaining, motivating and inspiring. Welcome Week helps students to feel at home on the MSU campus by acquainting them with the people and programs of the university.

**Advising:** The Office of New Student Experience provides academic advising for all freshmen who are admitted as undeclared, not including those students who were admitted to special programs. Contact the Office of New Student Experience for the name and location of your advisor. Declared students should seek advisement, with respect to academic issues, from the faculty advisor in their department/major.

**Freshman Connection:** This program is designed to assist freshman in achieving academic and personal success at MSU. With the exception of students admitted to special programs, each freshman is assigned a First-Year Counselor. This Counselor will mentor students during their first year of college and help them resolve concerns that could impede their academic success. Contact the Office of New Student Experience for the name and location of your First-Year Counselor.

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**Older Adult Tuition Waiver Program**

*Center for Adult Learning and Academic Advising, Academic Success Center, Morehead Hall, Room 132. Telephone: 973-655-7114*

The Center for Academic Advising and Adult Learning oversees the Older Adult Tuition Waiver (OLA) Program, which is for New Jersey residents, age 65 or over. The OLA program allows students to take courses on a space-available, tuition-waived basis. Students are only responsible for the student fees plus a $25 administrative fee each semester enrolled. Students with a high school diploma or its equivalence may take undergraduate courses. Students with an undergraduate degree may take undergraduate or graduate courses, but must pay graduate fees regardless of the course level. OLA students are also eligible to apply for a degree program by meeting all of the necessary admission requirements.

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**Admissions**

Address requests for application forms and inquiries concerning admission to: Director of Admissions, Montclair State University, Upper Montclair, New Jersey 07043. Students can also apply on-line at www.montclair.edu and clicking on “Applying”. Completed applications should be returned to this address accompanied by a $55.00 non-refundable fee. Decisions are announced on a rolling basis beginning in October, until all spaces are filled.

All admissions are made without regard to an applicant’s financial circumstances, sex, race, age, religion, national origin, or physical handicap.

For more detailed information regarding the admissions procedure, see page 13.

The Office of Admissions is located in Russ Hall, telephone, 973-655-4444.
Dean of Students

Campus Ministry Programs

While Montclair State University does not have a House of Worship, student needs are served through religious groups, chartered by the Student Government Association (SGA). These groups include: Buddhist Student Organization, Chi Alpha Christian Fellowship, InterVarsity Christian Fellowship, the Jewish Student Union, Montclair Protestant Foundation, Muslim Student Organization, and Newman—the Catholic Campus Ministry. Chaplains and Campus Ministers can be reached at: Newman Center, 973-746-2323 or 973-655-7240; Jewish Student Union: 973-655-5280; Campus Ministry Office, 973-655-5364.

Dining Services

There are various locations on campus where food service is available; Blanton Hall, Freeman Hall, the College Hall Snack Bar, the Red Hawk Diner and several locations in the Student Center, including the Rathskeller and Student Center Dining Room. The Red Hawk Express is located outside Dickson Hall. Catering services are also available. The Convenience Store is located in the Student Center. Vending machines are located in many buildings across campus. Operating schedules are posted at each location. At various locations within this dining program, food services are available 24 hours a day and seven days a week. Meal plans are available for resident and commuting students. In addition, any student may participate in the University’s debit card program, Red Hawk Dollars. For more information please contact the University Food Services Liaison at 973-655-5415.

Wellness Services

Wellness Services is composed of the Health and Wellness Center on the first floor of Blanton Hall, Counseling and Psychological Services in Gilbreth House, Services for Students with Disabilities in Morehead Hall, Suite 305, Wellness Education in Bohn Hall, and the Office of the Director of Wellness Services in Bohn Hall. Each of these services has been designed to meet the health and wellness needs of students throughout the campus at MSU.

Our goals are to (1) teach you how to maintain your physical and psychological health and well being, (2) assist you in deciding when you need care, (3) provide care and preventive services in a convenient and sensitive manner when appropriate, (4) assist you in learning how to utilize the health care system, and (5) empower you to make informed decisions about your health.

Wellness Services provides direct care, individual health and psychological counseling, health maintenance and wellness promotion, assistance with alcohol and other drug issues including tobacco cessation, wellness education services and programs throughout the year, and services for students with disabilities designed to meet student needs and ADA requirements. The Office of the Director of Wellness Services is located in Bohn Hall (street level) with Wellness Education and is open Monday through Friday from 8:30 a.m. to 4:30 p.m. with evening hours scheduled as needed during the fall and spring semesters. During the summer, the office is open Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973-655-7555; fax, 973-655-6977. For more information about Wellness Services, immunizations or insurance, go to www.montclair.edu/wellness.

Confidentiality

All Health and Wellness Center, Counseling and Psychological Services, and Services for Students with Disabilities patient/client records are strictly confidential and are not a part of other University records. No information is recorded on any permanent college record, so it cannot appear on a transcript or any other official document. No information about a student’s visit to these services will be released to anyone without specific written permission from the student, except in the event of an extreme emergency where a clear danger to self and/or other exists.

Health and Wellness Center

The Health and Wellness Center is a campus resource and service center for all students at MSU. The Center provides direct care by nurse practitioners and physicians including the treatment of illness, women’s health, HIV/STD/pregnancy screening, immunizations and health education. In addition, the staff works closely with Counseling and Psychological Services and Services for Students with Disabilities, as well as other campus and community resources for referral needs.

All registered students pay a wellness fee that entitles them to the use of the Health and Wellness Center. There are no additional charges for the services at the center with the exception of minimal charges for medications and laboratory tests. However, no student will be refused care due to their inability to pay. Visits are by appointment only unless the problem is an emergency.

The Center is located in Blanton Hall (first floor) and is open Monday, Tuesday and Thursday from 9:00 a.m. to 8:00 p.m. and on Wednesday and Friday from 9:00 a.m. to 5:00 p.m. during the fall and spring semesters. During the summer, the health center is open Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973-655-4361; fax, 973-655-4159.

Counseling and Psychological Services (CAPS)

Montclair State University’s Counseling and Psychological Services provides personal counseling and psychological services for Montclair State University students. CAPS, a department of Wellness Services, helps students to make the most of their academic education, prevent future problems, and assists students in developing to their fullest potential by learning new skills and resolving conflicts that may limit their performance.

All registered students pay a wellness fee that entitles them to the use of all services offered by CAPS. There are no additional charges for these services. However, a brief wait for services may occur at busier times of the year, as well as overall limitations on the number of sessions any one student is eligible to receive. Staff and faculty members are eligible for short-term consultation and referral.

The staff of CAPS consists of licensed psychologists, doctoral-level clinical and counseling psychologists, and selected graduate students who work under close supervision. The staff of CAPS has special expertise in areas such as: short-term counseling; coping with stress and depression; sexual abuse; eating disorders; relationship problems; family issues; substance abuse; test-taking anxiety and socio-cultural concerns.

CAPS is open 9:00 a.m. to 5:00 p.m., Monday through Thursday, and 8:30 a.m. to 4:30 p.m., on Friday during the fall and spring semesters. During the summer, the office is open Monday through Thursday from 9:00 a.m. to 5:00 p.m. and closed on Friday. Additionally, limited evening hours are available on Thursdays during the semester by appointment only. Urgency of need is always taken into consideration when scheduling appointments. The Center is located in the Gilbreth House (behind Freeman Hall, south end of campus). Please call for appointments. Telephone, 973-655-5211.
Services for Students with Disabilities

Services for Students with Disabilities (SSD) provides counseling and academic accommodations to students with physical, psychological, learning, and sensory disabilities. The mission of the office is to provide full access to all curricular and extracurricular activities sponsored by the University in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

The SSD serves as a liaison between the student with a disability and the rest of the University community. This includes Counseling and Psychological Services, the Health and Wellness Center, Alcohol and Other Drug Programs, Residence Life, University Police, and all academic departments. These services are located in Morehead Hall, Suite 305 and are available on Monday and Thursday from 8:30 a.m. to 7:00 p.m., and on Tuesday, Wednesday, and Friday from 8:30 a.m. to 4:30 p.m. during the fall and spring semesters. During the summer, services are available Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973-655-5431. Fax, 973-655-5308.

Wellness Education

Wellness Education develops programs to address wellness issues that are pertinent to Montclair State University students. These include but are not limited to, wellness maintenance, alcohol and other substance abuse, smoking cessation, nutrition, eating disorders, body image awareness, safer sex practices, sexual advocacy, domestic violence, peer education, stress management, and mental health issues.

Wellness Education is located in Bohn Hall on the street level. Services are available Monday through Friday from 8:30 a.m. to 4:30 p.m. with scheduled programming on selected evenings during the fall and spring semesters. During the summer, services are available form Monday through Thursday from 8:00 a.m. to 5:15 p.m. and closed on Friday. Telephone, 973-655-7397. Fax, 973-655-6977.

Immunization Requirements

All new or continuing full- and part-time undergraduate and graduate students born after 1956 enrolled in a program of study leading to an academic degree at any 4-year public or independent institution of higher education in NJ are required to provide evidence of immunization as a prerequisite to enrollment as follows:

Measles: Evidence of two doses of a live measles-containing vaccine, or any vaccine combination containing live measles vaccine that was administered after 1968-first dose administered on or after the student’s first birthday and second dose administered no less than one month after the first dose, or documented laboratory evidence of measles immunity. A student vaccinated with a killed measles containing vaccine, or an unknown vaccine prior to 1969, shall be revaccinated or produce laboratory proof of measles immunity.

Mumps: One dose of live mumps virus vaccine, or any vaccine combination containing live mumps virus vaccine on or after the student’s first birthday, or documented laboratory evidence of mumps immunity.

Rubella: One dose of live rubella virus vaccine, or any vaccine combination containing live rubella virus vaccine on or after the student’s first birthday, or documented laboratory evidence of rubella immunity.

The only exemptions from these requirements are students born before 1957, students enrolled in a program for which students do not congregate on campus, whether for classes or to participate in institution-sponsored events (home study, distance learning), certain medical conditions in which immunizations pose a health risk, and clearly proscribed and documented religious exclusions.

The University must enforce student compliance within 60 days of enrollment. A registration hold that will prevent future registration activity will be placed on the records of all students who are not in compliance after this provisional period is over.

A student may be registered on a provisional basis for the first term if the required immunization documentation is not available at the time of registration. Prior to registration for the second term, a student shall either present documentation of immunization or proof of immunity as outlined above or be re-immunized.

Meningitis: The State of New Jersey requires that all full and part-time incoming college freshmen, transfer and graduate students be provided with information about meningitis and the availability and benefits of the meningitis vaccine. Each student must submit documentation of their decision whether or not to receive the vaccination. Each university must record this information. In addition, as of September, 2004, the state now requires that all new students enrolled in a program of study leading to an academic degree at a public or private institution of higher education who reside in a campus residential facility must receive a meningococcal vaccination as a condition of attendance at that institution.

Documented proof of immunity must be submitted to the Health and Wellness Center. Forms for this purpose are available from the Admissions Office and the Health and Wellness Center. Failure to submit the required documentation will result in a registration hold that will prevent future registration for classes. Students can send or fax original documentation signed by a licensed health care provider, a copy of a signed and authorized school record, or the completed and signed MSU Immunization Information form to the Health and Wellness Center in Blanton Hall. Telephone, 973- 655-4361. Fax, 973-655-4159. Go to www.montclair.edu/wellness for forms and more information about immunization requirements.

Health Insurance

New Jersey state law mandates that all full-time undergraduate and graduate students have accident/sickness insurance. MSU has arranged for a plan to be available for students who have no other coverage. In addition, this plan is also optionally available for part-time students and dependents.

The Bollinger Insurance Company provides this coverage to MSU students. The cost for this insurance is automatically included with the tuition bill for full-time students and is currently $97.00 for the year. Part-time students may also enroll in the plan by completing the appropriate enrollment form, which is available in the Student Accounts office, College Hall, Room 218.

The Bollinger plan is a basic accident/illness policy with minimal coverage. Students covered by this policy are encouraged to seek care at the Health and Wellness Center prior to using outside services to reduce out-of-pocket expenses.

Students who currently have health insurance under another plan may have the Bollinger Insurance plan and the premium deduction on the tuition bill waived by completing a waiver card and returning it to the Student Accounts office, College Hall, Room 218.

Claim forms for Bollinger Insurance coverage are available at the MSU Health and Wellness Center. For more information, call the Bollinger Insurance Company at 1-800-526-1379, or visit their website at: www.BollingerInsurance.com/MSU.
**The Women’s Center**

The Women’s Center, aids in the education of women and men with respect to their changing roles, rights and responsibilities in today's world. Different programs, workshops and weekly discussion groups are offered each semester and are developed to address the current needs of the campus community. A reference library and a referral service are available to Montclair State University students. We encourage the personal growth and empowerment of women through personal coaching, mentoring service and advocacy. The Women’s Center serves as a safe space on campus for all women.

Interested students may have a chance to work as student staff and coordinate activities, contribute to the newsletters and learn to facilitate discussions and workshops in such areas as sexual harassment and sexual assault, domestic violence, leadership, assertiveness training and self-esteem.

For further information, please contact the Women’s Center located in the Student Center, Room 421; telephone, 973-655-5114.

**Financial Aid**

Information regarding the financial aid programs may be obtained from the Office of Student Financial Aid. Programs of financial assistance are revised from year-to-year and therefore both eligibility criteria and the availability of funds may change. For additional information concerning application and procedures visit our website at [www.montclair.edu/financialaid](http://www.montclair.edu/financialaid). Our mailing address is:

The Office of Student Financial Aid
CO-321
Montclair State University
Montclair, NJ 07043-9987
E-mail: financialaid@montclair.edu

The Office of Student Financial Aid provides financial assistance to eligible Montclair State students through the following:

**Federally Funded Programs**

1. Federal Stafford Loan Program
2. Federal PLUS Loan Program
3. Federal Pell Grant Program
4. Federal Perkins Loan Program
5. Federal Supplemental Educational Opportunity Grant Program
6. Federal Work-Study Program

**State of New Jersey Programs**

1. Edward J. Bloustein Distinguished Scholars Award
2. Educational Opportunity Fund Grants
3. Outstanding Scholar Recruitment Program
4. Urban Scholars
5. Survivor Tuition Benefits Program
6. Tuition Aid Grants
7. Veterans Tuition Credit Program
8. New Jersey World Trade Center Scholarship Fund
9. Dana Christmas Scholarship for Heroism
10. Miss New Jersey Educational Scholarship program
11. Paul Douglas Teacher Scholarship program

**Satisfactory Academic Progress**

Federal and State regulations mandate that recipients of financial aid be in good academic standing and be making "Satisfactory Academic Progress" towards a degree. Montclair State University has established minimum standards for "Measurable Satisfactory Academic Progress". Students must meet the University’s "Retention Standards" and earn 67% of their attempted credit hours in order to be eligible for and continue to receive federal and/or State aid. Withdrawals (WD’s), failures (F’s) and repeated courses are factors that may contribute to a student's ineligibility.

**Scholarships and Awards**

Many special awards, funds, and scholarships have been established by the benefactors of Montclair State University who share its interest in quality education. A complete list of these opportunities may be found at the back of this catalog in the Appendix of Scholarships and Awards.

**Veterans**

The Office of Student Financial Aid provides information and advice to students regarding federal and state Veterans' benefit programs. All United States veterans who enroll at Montclair State should contact the office as early as possible in their academic program. All veterans should submit a copy of their discharge papers (DD214) to the Office of Student Financial Aid. Benefits are not available for audited courses or courses completed previously with a passing grade. Any change in student status must be reported to the Office of Student Financial Aid in writing.

All U.S. veterans who completed a minimum of six months active duty are eligible to receive three elective credits, one of which fulfills the one semester physical education requirement. Applications to receive these credits are available from the Office of Student Financial Aid.

For further information contact the Office of Student Financial Aid, CO-321 College Hall. Telephone, 973-655-4462.

E-mail: financialaid@montclair.edu

**Visiting Students**

It is the policy of Montclair State not to process financial aid (federal or State, including loans) for "visiting students" attending during the academic year or Summer Sessions. The Office of Student Financial Aid will assist these students with the completion of forms required by their home institution to process financial aid.

**Intercollegiate Athletics**

Aligned in the Division of Student Development and Campus Life, Montclair State offers a diversified varsity athletic program of 21 sports for men and women. Student-athletes enjoy competition year-round within NCAA Division III, at the local, regional, and national level. Montclair State is also a member of the New Jersey Athletic Conference, the Metropolitan Collegiate Athletic Conference, the Eastern College Athletic Conference and the Knickerbocker Lacrosse Conference.

The women’s varsity program includes basketball, cross country, field hockey, lacrosse, soccer, softball, swimming/diving, tennis, indoor/outdoor track, and volleyball.
The men’s varsity program includes baseball, basketball, cross country, football, lacrosse, soccer, indoor/outdoor track, wrestling and swimming/diving.

Panzer Gymnasium Complex—Six lane indoor pool; wrestling room; fitness center; training room; locker rooms; basketball court and auxiliary gym.

Sprague Field—Astro-turf; seating for six thousand; permanent lighting system (all home football, field hockey, and lacrosse games are scheduled for this facility).

Pittser Field—Soccer complex and eight tennis courts.

Softball Field—Varsity softball field.

Dioguardi Field—An eight-lane, 400 meter, all weather track which encircles a multi-purpose field located below the Fieldhouse. The track is open year-round and is lit during Fieldhouse hours in the fall, spring and summer sessions.

Yogi Berra Stadium—The MSU baseball team plays its home schedule at this minor league stadium.

The Intercollegiate Athletics Office is located in Panzer Gymnasium, telephone, 973-655-5234 or 5236. The Red Hawk Sports Hotline for game results is 973-655-7645.

Residence Life

Montclair State University offers several living arrangements for resident students. Situated around the academic buildings are six traditional residence halls. Two apartment complexes are located at the northwest corner of the campus on Clove Road. Each residence facility contains lounges, receptions areas, study rooms and laundry facilities, and every student room is wired for cable television and internet access.

Freshmen are given high priority for campus residence and returning students may apply for succeeding years.

Each residence facility is staffed by a Residence Director and Resident Assistants. The Resident Assistants are peer educators who provide programming and are especially helpful in introducing new students to the campus as well as campus life.

All resident students, except those living in apartment communities, must choose one of the meal plans available for the dining halls. Apartment residents have the option of selecting a meal plan or Red Hawk Dollars.

For specific schedules of operations please call the respective department.

Student Center Main Office ................................................. 973-655-7548
Student Activities ............................................................. 7818
Scheduling ....................................................................... 4411
Program Coordinator ...................................................... 7546
Campus Recreation .......................................................... 7443
Greek Affairs .................................................................... 5350
I-Cards .............................................................................. 4147
Information Desk ............................................................. 5329

Identification Cards

Students, faculty and staff are required to have a Montclair State University Photo Identification Card. This card must be shown to borrow books or copies of tapes from the Library; to use a book on Library reserve; to use the fieldhouse, and to participate in various activities sponsored by the Student Government Association and Montclair State University.

All students currently holding an ID-Card should receive a current validation label upon paying their university bill. Validation labels can also be obtained at the ID-Card Office or at the Bursar or Registrar offices by presenting a current class schedule. All new students attending orientation during the summer will have their ID-Card photo taken during this time. All other new students should obtain an ID-Card immediately after registering for classes. Extended ID-Card Office hours are provided in the beginning of each semester. In order to obtain an ID-Card, students need to present their current class schedule or paid receipt and another form of identification. Students are encouraged to obtain an ID-Card within one year from the date they are admitted. There is a $10.00 charge for replacement cards.

The ID-Card Office is located in The Student Center, 1st floor, near the computer lab. Office hours are Monday through Friday, 8:30 a.m. to 4:30 p.m. and Thursday evenings until 7 p.m. during the semester while classes are in session. For more information, please call 973-655-4147.

Scheduling/Conference Services

Montclair State University provides space and services to students, faculty, staff, and others who wish to utilize University facilities for other than classroom use. Facilities which can be scheduled include: the Student Center, classrooms, auditoriums, athletic facilities, and the amphitheater. The Scheduling Office can also assist in acquiring other services such as media and food services. The office is located in the Student Center, Rooms 407, 408; telephone, 973-655-4411.

Student Activities

The Office of Student Activities is responsible for co-curricular and extra-curricular programming, in which all students at Montclair State University are encouraged to participate. In addition to working with all student organizations on campus, special emphasis is placed on the needs of the commuter student. Activities are designed to develop and refresh the body and mind in the form of entertainment, educational enrichment, cultural diversity and fine arts activities. The following organizations listed under the Student Government Association support these objectives.

The Office of Student Activities is located in the Student Center.
**Student Government Association, Inc. (SGA)**

All undergraduates are members of the Student Government Association. The SGA provides services through fees paid by all full-time and part-time undergraduates.

The legislative branch is composed of student representatives from each school and academic department. The executive branch consists of the president, vice president, treasurer, and secretary.

**STUDENT ORGANIZATIONS OF THE SGA**

**CLASS I ORGANIZATIONS OF THE SGA**

Class One Organizations are open to all MSU undergraduates. They provide programming and/or cultural events for the entire student body. These organizations are allotted a yearly budget by the Student Government Association Legislature, and have offices located on the first floor of the Student Center Annex.

**ACTIVE STUDENTS SERVICE IN SOCIETY TOGETHER (A.S.S.I.S.T.), located in the Student Center Annex, Room 120, telephone 973-655-5102 is a charity and community service organization of the Student Government. While promoting our numerous charities and causes, we try to get everyone to have a great time, too. We believe that trying new and exciting things will get MSU students active, thus increasing the benefit to our charities. You can find a lot to do with A.S.S.I.S.T., so check out our upcoming events...it's all for a great cause!**

**CLASS I CONCERTS (C1C) Located at the Student Center Annex, Room 117, telephone 973-655-4478. Class One Concerts offers MSU students a variety of concerts. All shows are arranged exclusively by students providing them the opportunity to learn and participate in all aspects of concert production. If you love music, C1C is for you.**

**COLLEGE LIFE UNION BOARD (CLUB) Located in the Student Center Annex, Room 112D, telephone 973-655-5232. CLUB sponsors social, cultural, and educational activities on campus. Movies, trips, parties, lectures, comedians and other activities are planned each semester, as well as the annual Winter and Spring Balls, Homecoming and Spring Week. If you are excited about getting involved in all aspects of college life...CLUB is for you.**

**INTERNATIONAL STUDENT ORGANIZATION (ISO) Located in the Student Center Annex, Room 120, telephone 973-655-5386. The goal of the ISO is to promote better understanding, communication and interaction between people of all nations and cultures represented at Montclair State University.**

**LATIN AMERICAN STUDENT ORGANIZATION (LASO) Located in the Student Center Annex, Room 100, telephone 973-655-4440. LASO exposes the college community to Latin American influences in the arts, literature, history, Latino issues and cuisine by sponsoring various events such as: lectures, dances, and Latin Month, thereby accenting the MSU campus with the opportunities to have a better understanding of the Latin American culture.**

**THE MONTCLARION (MSU’s NEWSPAPER) Located in the Student Center Annex, Room 113 telephone 973-655-5241. The weekly newspaper keeps the university community abreast of campus news, local events and news of other colleges. Students gain experience in the areas of news, editing, layout, typesetting, and advertising. All undergraduates are eligible for staff positions.**

**ORGANIZATION OF STUDENTS FOR AFRICAN UNITY (OSAU) Located in the Student Center Annex, Room 119, telephone 973-655-4198. OSAU exposes all students to a positive social, cultural, and educational impact of the Black experience. In addition to sponsoring cultural activities, OSAU also sponsors KITABU, a library on black culture (located in their office). KWANZAA, Choir, Black History Month and also a student produced newsletter.**

**PLAYERS Located in the Student Center Annex, Room 118, telephone 973-655-5159. Players is a theatrical organization that gives students, acting majors as well as non-acting majors, the opportunity to participate in every phase of play production. Among the productions that Players presents are one acts and full-scale shows and musicals.**

**WMSC-FM Located in the Student Center Annex, Room 110, telephone 973-655-7466. WMSC-FM is the student-run radio station located in the Student Center Annex. We’re at 90.3 on the FM dial, playing “The Best New Music you can’t hear anywhere else. If you ever wanted to learn about the inner workings of radio, or even wanted to become an on-air DJ, then this is an opportunity you just can’t miss! Our office hours are Monday - Friday, 9a.m. to 5p.m. Just drop in and join!**

**Request Line, 973-655-4256. Excellent opportunity for broadcasting, communication, and/or music majors!**

**CLASS II ORGANIZATIONS OF THE SGA**

**Arab Student Organization (ASO)**

**Caribbean Student Organization (Cariibo) (973-655-5732)**

**Chi Alpha Christian Fellowship (SC-Room 122)**

**Haitian Students Association (HSA)**

**Indian Culture Club (ICC)**

**Intervarsity Christian Fellowship**

**Human Relations and Leadership development Association (HRLDA)**

**Muslim Student Association (MSA)**

**Native African Student Organization (NASO)**

**Sexuality, Pride, Education, Truth, Respect, and Unity (SPECTRUMS)**

**CLASS III ORGANIZATIONS OF THE SGA**

**Accounting Society**

**Anthropology Club**

**Chinese Club**

**Classics Club**

**Cognitive Science Club**

**College Republican Club**

**Commuter Student Union**

**Cognitive Science Club**

**Democratic Organization of College Students (DOCS)**

**Economic and Finance Society**

**Financial Management Club**

**German Club**

**Fashion Club**

**Hellenic Student Organization**
Helping Each Other and Redefining Tomorrow (HEART)
Hillel (Jewish Club)
International Business Society
Japanese Club
Justice Studies Club
Korean Students Organization
Le Cercle Francais
Management Club
Minority Teachers Candidate Organization (MINTCO)
MSU Dietetics Association
MSU College Republicans
National Association for the Advancement of Colored People (NAACP)
New Jersey Community Waterwatch
Newman Catholic Campus Ministry
Nontraditional Student Organization (NTSO)
Pakistani Youth of American Society (PYAS)
Polish Student Organization
Psychology Club
Red Hawk Records
Teaching Athletes Leadership Opportunities Now (TALON)
Team Infinite
United Asian American Student Organization (UAASO)
Voices
Women Achieving Victory, Equality, and Solidarity (WAVES)

CLASS IV ORGANIZATIONS (Greek Organizations)
Greek Council (973-655-7393)
Inter-Fraternity Council (IFC)
Inter-Sorority Council (ISC)
United Greek and Social Fellowship Council (UGSFC)
Professional House
National Pan Hellenic Council (NPHC)
National Panhellenic Council (NPC)
  Alpha Iota Chi (S)
  Alpha Kappa Alpha (S)
  Alpha Kappa Psi (Co-ed Business F)
  Chi Upsilon Sigma (S)
  Delta Chi (F)
  Delta Phi Epsilon (S)
  Delta Xi Delta (S)
  Groove Phi Groove (F)
  Iota Phi Theta (F)
  Kappa Alpha Psi (F)
  Lambda Sigma Upsilon (F)
  Lambda Tau Omega (S)
  Lambda Theta Alpha (S)
  Lambda Theta Phi Latin Frat Inc. (F)
  Lambda Upsilon Lambda (F)
  Mu Sigma Upsilon (S)
  Phi Beta Sigma (F)
  Phi Mu Alpha Sinfonia (F)
  Phi Sigma Pi (Co Ed)
  Phi Sigma Sigma (S)
  Pi Kappa Alpha (F)
  Psi Sigma Phi (F)
  Sigma Alpha Iota (S)
  Sigma Delta Chi (S)
  Sigma Delta Tau (S)
  Sigma Sigma Sigma (S)
  Swing Phi Swing (S)
  Tau Kappa Epsilon (F)
  Tau Phi Beta (F)
  Theta Kappa Chi (S)
  Theta Xi (F)
  Zeta Phi Beta (S)

The Student Government Association (SGA) welcomes each student’s participation. For further information regarding activities of the SGA, contact the SGA, Student Center Annex, Room 103; telephone 973-655-4202.

University Police Department

Montclair State University maintains a full-time autonomous police department, whose mission is to protect and serve members of the Montclair State community. The department is a full service law enforcement agency comprised of sworn police officers and dispatchers. Police Officers enforce the criminal and motor vehicle laws of the State of New Jersey and University Rules and Regulations. In addition they receive and investigate all reports of criminal activity on campus.

The University Police Department handles all emergent incidents on campus, including the dispatch of EMS and Fire when needed.

A confidential TIPS hotline is available for reporting incidents, just dial TIPS (8477) from any campus phone.

For more information about the police, self-defense and crime prevention programs, or other police related matters, call University Police Department, telephone, 973-655-5222.

Emergency Medical Services

Emergency Medical Services (EMS) are available with emergency transport to local hospitals. Call University Police at Ext. 5222 for immediate assistance. The Office of Emergency Medical Services is located in the Student Center. Telephone (non-emergency), 973-655-7836.
Academic Policies and Procedures

Academic Advisement

All students are encouraged to seek academic advisement each semester. Students with a declared major receive their academic advising from their major department advisor. Freshmen students with an undeclared major receive their academic advising from their New Student Experience advisor in Morehead Hall, Room 100. Undeclared students beyond their freshman year receive their academic advising from the Center for Academic Advising and Adult Learning in Morehead Hall, Room 132. Students admitted in special programs, such as the Equal Opportunity Fund Program, the Health Careers Program and the Honors Program are assigned advisors within their specific areas.

Academic advisors and department faculty advisors provide students with assistance in developing an academic program of study, choosing courses consistent with this program as well as discussing career options.

Advanced Placement

Students with demonstrable equivalencies may, under appropriate circumstances, be exempted from required courses and permitted to take more advanced work. Eligibility for advanced placement may be established on the basis of high school records or by scoring sufficiently well on specialized tests including the Advanced Placement Examination of the College Entrance Examination Board, College Level Examination Program (CLEP) tests, challenge examinations, etc. Students desiring advanced placement are advised to consult with the appropriate department chairperson to determine specific possibilities within their area of competence.

Application for Final Audit

Students who are eligible for graduation must file an Application for Final Audit in the Office of the Registrar according to the following deadlines:

- October 1 for the following May graduation; June 1 for the following January graduation; March 1 for the following August graduation.

Prior to the final opportunity to change registration for the final semester, the student will be mailed a copy of the final audit listing requirements that must be completed in order to meet the intended date of graduation.

It is the student’s responsibility to complete the curriculum prescribed in the Montclair State University catalog in effect, or as subsequently modified, when he/she matriculates. For undergraduates, a minimum cumulative grade point average of 2.000 (C) and major grade point average of 2.000 based upon a possible 4.000 system is required. The cumulative grade point average of 2.000 (C) and major grade point average includes required major courses, major elective courses, and collateral courses. Inquiries pertaining to an individual’s major grade point average includes required major courses, major elective courses, and collateral courses. Inquiries pertaining to an individual’s major grade point average should be directed to the appropriate academic or faculty advisor. It is the student’s responsibility to meet all graduation requirements.

Baccalaureate degree candidates who have been evaluated for New Jersey Teaching Certificates must complete the Application for Certification and pay the required fees in the Office of the Registrar during the following periods:

- March 15 to April 15 for May graduation; October 15 to November 15 for January graduation; July 1 to August 1 for August graduation.

The New Jersey State Board of Education requires most candidates for instructional certificates to take one or more sections of the Praxis Series tests and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in the Teacher Education Admissions Office, Room 103, Chapin Hall.

Attendance

Students are expected to fulfill all course requirements, and although attendance is not always mandatory, it is desirable. Absence from laboratory or studio sessions shall be by agreement with the instructor. Instructors should notify the students, in writing, of what the course requirements will be. Professors may penalize the student for failure to meet specific attendance requirements.

Students who register are considered enrolled in their course(s) regardless of attendance. Refunds will only be processed, according to deadlines published in each semester’s Schedule of Courses booklet, for registered students who have formally withdrawn from a course. Students not following this procedure will be charged for all course(s) in which they are registered. Lack of attendance does not constitute a basis for a refund or withdrawal from course(s).

Audit Policy

To “audit” a course at Montclair State University is to attend class regularly, without the obligation of participating in class discussions, laboratory work, examinations, performances or any class activity other than listening. A course may be audited under the following conditions:

1. Audited courses do not carry academic credit.
2. The University’s attendance policy applies to audited courses.
3. Students auditing a course must establish eligibility for admission, register, and pay the required tuition and fees.
4. Students must file an Audit Application with the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.
5. A course may be audited only if the department chairperson permits, and if there is space in the class.

For students who ALSO registered for courses carrying regular academic credit:

1. Audited courses are considered part of the student’s course load which may not exceed the maximum limits.
2. An “audit” may not be changed to “credit” nor a “credit” to “audit” after the first three weeks of the semester.
3. The student’s record will show a grade of “AU” for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.

For students who are registered ONLY for “audited” courses:

1. The student may not change to a credit basis during the term of enrollment.
2. The student’s record will show a grade of “AU” for the course if the instructor certifies by such a grade that the prescribed conditions, including required attendance, have been met.
3. A student who later seeks credit by examination for a course previously audited must be enrolled at the University at the time that the examination is taken and is subject to such fee charges for the examination as the University may establish.
4. A student who has audited a course may take the course at a later date for credit.
Basic Skills Requirements
Montclair State University expects all students to demonstrate proficiency in writing, reading, computation, elementary algebra, and speech. The Montclair State University Placement Test (MSUPT) provides for the demonstration of such proficiencies through a program of skills assessment and academic development. All students admitted to Montclair State University will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT scores are in and placements are determined. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT; credits may be added to the number of semester hours required to graduate. All students are expected to enroll in required developmental courses during their first semester of attendance. Full-time students MUST COMPLETE ALL REQUIRED DEVELOPMENTAL COURSES DURING THEIR FIRST YEAR of enrollment. Part-time students must enroll in at least one required course during their first semester and continue each semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. Students not completing this requirement may be dismissed from the university.

The Montclair State University requirement in speech must be fulfilled within a student’s first 58 semester hour credits by satisfactory completion of the speech communication requirement or by successful Speech Placement Waiver evaluation. Students may consult the department of Speech Communication for a fuller description of the program.

Note that Basic Reading Skills, Basic Skills Math I and Basic Skills Math II do not carry graduation credits. However, these courses do provide credits toward a student’s full-time status and, with the exception of "P" (Pass) grades in Math Lab I and II, they do count toward the student’s grade point average.

Further information may be obtained from the Center for Academic Development and Assessment, Morehead Hall, Room 139, telephone 973-655-4476.

Cancellation of Courses and Staffing
Montclair State University reserves the right to cancel any course for which the enrollment is insufficient. Students may then register, without penalty, for another course for equal credit or receive a full refund of tuition and fees. The University also reserves the right to change faculty assignments and, therefore, cannot guarantee students faculty of their choice.

Class Standing
Sophomore standing is defined as 30.00-59.99 semester hours earned; junior standing is 60.00-89.99 semester hours earned; senior standing is 90.00 or more semester hours earned.

Commencement
Commencement exercises are held in the spring of each year for students who have earned degrees in the preceding January or August as well as for May degree candidates. In order to participate in Commencement a student must have completed all degree requirements before the degree conferral date. Candidates who are either removed from the May graduation list or re-file for a subsequent degree conferral date will be eligible to participate in Commencement the following May. Students should file for final audit by October 1 for May graduation, June 1 for January completion, and March 1 if the degree is completed in August. In addition to the formal University-wide Commencement exercises, each School and College hosts a Convocation Ceremony during the week prior to Commencement.

Course Loads
Full-time undergraduate students should earn 15-16 credit hours per semester. Special permission is required to take a Course Overload of more than 19 semester hours. To be considered a full-time student one must register for and continue active enrollment in at least 12 semester hours for the entire semester.

Full-time undergraduate students who have at least sophomore standing (30 credit hours earned) and a 3.00 or above cumulative grade point average for the semester most recently completed may, upon the approval of the Dean of the College/School in which the student is majoring, register for a Course Overload. A College/School Dean may make exceptions to the above eligibility criteria for Course Overloads. Requests for Course Overloads of 23 or more credit hours must additionally be approved by the Director of Academic Advising.

Montclair State University reserves the right to reduce the course load of any student who registers for more than 19 credit hours without Course Overload approval.

Students enrolled in fewer than 12 credits are considered part-time. Provisionally matriculated students may not register for more than 9 credits per semester.

Course Overlap
Students may not register for courses where there is a time/day overlap.

In certain laboratory or studio type courses, in exceptional circumstances, course registration overlap may be permitted with written approval of the instructors of both courses as well as the approval of the dean(s) and chairperson(s) responsible for the instructional area(s).

Students must submit written approval to the Office of the Registrar in order to register for overlapping courses; this must be done in person by the student or his/her representative.

Credit by Examination and Assessment of Life Experience
Montclair State offers the opportunity to all students to earn credit through the College Level Examination Program (CLEP), The Advanced Placement Examination of the College Entrance Examination Board (CEEB), the Thomas A. Edison College Examination Program (TECEP), departmental challenge exams, evaluation of life experience through the American Council on Education (ACE) or Portfolio Assessment of Experiential Learning at Thomas A. Edison State College are also acceptable ways by which credit may be earned.

The CLEP General Examinations offer entering students the chance to earn up to 24 credits towards the bachelor’s degree. In addition to the general examinations there are also over 30 CLEP subject examinations. The following policies apply regarding the use of credit from CLEP exams toward the degree at Montclair.

THESE RULES APPLY TO ALL STUDENTS ADMITTED EFFECTIVE FALL 2001 OR THEREAFTER AND ALL STUDENTS (REGARDLESS OF ADMISSION DATE) WHO TEST AFTER 9/1/01.

All students are responsible to know and apply the following rules and regulations which govern the application of credit earned through CLEP General and Subject Matter Exams toward the Montclair State degree. It is very important that all students recognize that ACHIEVING THE REQUIRED TEST SCORE DOES NOT NECESSARILY MEAN THAT CREDIT IS APPLICABLE TOWARD MONTCLAIR STATE’S
GRADUATION REQUIREMENTS. IN ADDITION, IT IS THE STUDENT’S RESPONSIBILITY TO INSURE THAT HE/SHE IS NOT SEEKING CREDIT FOR A COURSE FOR WHICH PREVIOUS CREDIT WAS GRANTED. Students who fail to adhere to these policies may not be permitted to apply CLEP credit toward the degree regardless of score on the exam.

1. CLEP General Exams must be taken prior to completion of the student’s first sixty (60) credit hours of undergraduate coursework. Students should not register in the first semester for courses for which they plan to seek CLEP credit.

2. Subject Matter exams, which are taken for possible use in fulfillment of major or collateral requirements, must receive advanced written approval in the form of an Undergraduate Academic Program Adjustment form, which can be obtained in the Center for Academic Advising and Adult Learning, Morehead Hall, Room 132. CLEP Subject Matter exams may not be included within the last 24 credits. (See "residence requirement")

3. Those students seeking credit for ENWR 105 College Writing I: Intellectual Prose via the CLEP General Exam must include the essay with the English test. Please note that the essay is not available at each CLEP administration. ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST (MSUPT) IN WRITING MAY RECEIVE CREDITS FOR THE CLEP EXAM IN ENGLISH REGARDLESS OF CLEP EXAM SCORE. A student who fails the Writing portion of the MSUPT must take ENWR 100 even if achieving an acceptable score on CLEP. Students wishing to use a CLEP General exam to obtain credit for ENWR 105 College Writing I: Intellectual Prose, should receive advanced written approval from the First Year Writing Coordinator. Please see the section entitled “Waivers and Credit Adjustments for First Year Writing”.

4. ONLY STUDENTS PASSING OR EXEMPT FROM THE MONTCLAIR STATE UNIVERSITY PLACEMENT TEST IN COMPUTATION AND ELEMENTARY ALGEBRA MAY RECEIVE CLEP GENERAL CREDIT IN MATHEMATICS REGARDLESS OF CLEP EXAM SCORE. This policy shall apply to all students seeking Math CLEP credit regardless of major.

5. Students receiving six (6) credits in foreign language will be required to complete an additional six (6) credits of foreign language to fulfill the language requirement. Students earning twelve (12) credits will be required to complete either LINGN 220 The Structure of American English, an upper level course in the same language, or a lower level course in a different language.

Students having questions about these guidelines are encouraged to contact their Academic Advisor before taking any CLEP tests.

CLEP tests are given at testing sites located throughout the state of New Jersey. For specific information regarding testing sites and CLEP preparation courses, students should contact their Academic Advisor.

Montclair State offers students the opportunity to take subject matter challenge examinations for many courses. Not all courses are eligible for credit by examination.

Students, who wish to utilize the evaluating services of Thomas Edison State College (TESC), must make a request to TESC, telephone, 609-292-3400, in their first semester of enrollment at Montclair State University (MSU). This evaluation and a report of credit must be sent to MSU for evaluation. Failure to initiate this process in the first semester may result in the loss of credit. Students should meet with their Academic Advisor prior to contacting TESC.

Dean’s List

The Academic Dean’s List, issued after the close of each fall and spring semester by the academic deans, gives recognition to students with a 3.500 or higher semester grade point average (GPA). A minimum of 12 credits must be earned in courses that contribute to the GPA.

Part-time undergraduate students are eligible for the Dean's List each time they achieve a GPA of 3.500 or higher on 12 or more credits which contribute to the GPA. The credits must be earned in two consecutive semesters, excluding summer sessions, with a minimum of six credits in each term. Once a semester's credits have been used to successfully attain Dean's List status for a part-time student, they may not be used for this purpose again.

Final Examinations

Final examinations and evaluations are generally of a comprehensive nature covering the semester’s work, but the form, determined by the nature of the course subject matter, varies with individual professors and classes. A schedule of final examinations is found in the Schedule of Courses booklet each semester.

Final examinations are weighted in relation to other evaluations which are made throughout the semester and do not replace periodic tests and other means of measuring student progress.

Grades and Standards

The following grades are used at Montclair State:

- A 4.0 Excellent
- A- 3.7 Good
- B+ 3.3 Fair
- B 3.0 Poor
- B- 2.7Aud
- C+ 2.3 In Progress
- C 2.0 Fair
- C- 1.7 Withdrew
- D+ 1.3 Withdrew Pass
- D 1.0 Incomplete
- D- 0.7 Withdraw
- F 0.0 Failure
- AU Audit
- IN No Credit
- IP In Progress
- WP Withdrawed Pass
- WF Withdrawed Fail
- Pass

Basic Skills courses, whether they carry credit toward graduation or not, contribute to the grade point average, except for Math Lab I and II (given on a Pass/Fail basis) if a grade of “P” is earned.

The mark “F” signifies: (1) academic failure; (2) failure of the student to submit written notice of withdrawal; or (3) withdrawal after the final withdrawal deadline. The mark “WD” is given to those who submit in writing (to the Office of the Registrar) their intention of withdrawing from a course before the withdrawal deadline.

The grade “IN” is intended to indicate that the student has not completed the course and that a grade is being withheld until the work is performed and approved. Students must enter into a formal contract with the faculty prior to the end of the semester, using the form available in the Office of the Registrar. The “IN” if not replaced with a final grade by the established deadline, will become an “F.” Exceptions can be granted only upon petition to the appropriate College/School Dean.

A change of grade request from other than an “IN” grade, must be processed by faculty and approved by the appropriate College/School Dean no later than the end of the next full semester following the semester in which the grade was earned. For students completing degree and certification programs, all required course work must be completed by the appropriate conferment/graduation date. The instructor must submit the final grade to the Office of the Registrar no later than 30 days thereafter in order for the diploma/certificate to be awarded. No changes will be
made to the academic record beyond 30 days of the conferment/graduation date. The only exception to this policy is for Incomplete grades in electives beyond the number of credits required for the degree or program which may be changed according to the time frames for Incompletes as outlined above.

For purposes of determining the grade point average (GPA) for graduation, academic honors, dean’s list, academic probation, academic furlough, suspension and dismissal, and all other situations which require a specific GPA, Montclair State University maintains GPA’s to three decimal places. No additional rounding will occur.

Students can obtain their grades for any semester through WESS, the Web Enrollment Services for Students.

Graduation Honors
Undergraduate students who have completed a minimum of 51 undergraduate credits at Montclair State are recognized for academic honors. Grades of “A” through “D–” must be received for a minimum of 48 of these 51 credits.

For recognition of May candidates at the Commencement Exercises, the honors designation will be based upon the student’s cumulative grade point average as of the previous January.

Academic honors are awarded as follows:
- Cumulative GPA of 3.450 - 3.649 cum laude
- Cumulative GPA of 3.650 - 3.849 magna cum laude
- Cumulative GPA of 3.850 - 4.000 summa cum laude

An honors diploma will be awarded. A period of three-four months should be allowed for ordering, printing, and mailing. However, the honors notation will appear on the official transcript approximately one month after graduation.

Independent Study
Montclair State University offers opportunities for students to undertake academic credit on an independent study basis. Students who wish to register for independent study courses must obtain an “Independent Study Application” form from the Office of the Registrar. This form must be completed in full and approved by the instructor and the department chairperson prior to registering.

The full course number (except section number) is required on the form. Registration for independent study courses must be processed in person in the Office of the Registrar by the student or a representative of the student. One copy of the Independent Study Application form is then given to the student; one is sent to the department chairperson and one to the instructor; the original is retained by the Office of the Registrar.

Leave of Absence
Undergraduate students in good academic standing may take a leave of absence of one or two semesters by arrangement through the Center of Academic Advising and Adult Learning located in Morehead Hall 132.

Students who take a leave of absence for one semester do not need to apply for readmission and can simply register for the next upcoming semester during the registration period. Students who remain away from MSU for two or more semesters must submit a readmission application with the Office of Admissions by the set admission deadlines: August 1 for the fall semester and December 1 for the spring semester.

Major Declaration
Undeclared students must declare a major by the time they have earned 60 semester hours. Students are expected to complete the major for which they apply within the normal number of semester hours required for completion of the degree program. For most undergraduate degree programs, this is 120 semester hours; however, certain programs require more than 120 semester hours.

Pass/Fail Grading

1. Available to Montclair State University Undergraduates Only. All Montclair State undergraduates are eligible to select one course per semester for which they are registered for pass/fail credit, not to exceed 24 semester hours in the degree program.

2. Eligible Courses: Only those courses which are free electives in the student’s program. The purpose of this option is to encourage students to explore unfamiliar areas of study without concern for the effect on academic standing.

3. Ineligible courses are those courses which meet the major, minor, collateral, teacher certification, communications or general education requirements. Note that all courses taken in the major department and all collateral courses shall be used in determining the major GPA, thereby rendering these courses ineligible for the Pass/Fail option. (The only exception could be a course that the department has specified previously as not being acceptable in the major program.)

4. Courses offered on a pass/fail basis only will not preclude the student from also taking an additional course on a pass/fail option.

5. Grading: Students will receive either a grade of “P” (pass) or “F” (fail) for course work completed under the option. A grade of “P” does not affect the student’s average; however, a grade of “F” will have the same effect as a traditional failure.

6. Students may elect to rescind the pass/fail application at any time prior to the ninth week of the spring or fall semester or its equivalent for short term and summer courses. Students should know that letter grades will not replace “P” grades if changing majors, attending graduate school, obtaining certification, applying to other colleges requiring letter grades, etc.

Procedure:
Any student electing the pass/fail option must complete a “Pass/Fail Application” and return it to the Office of the Registrar prior to the end of the third week of classes for fall and spring regularly scheduled courses or its equivalent for short term and summer courses.

Plagiarism
All papers, reports and research submitted by students shall be their own except as properly annotated. The copying or imitating of others’ work is plagiarism. A student guilty of plagiarism may be subject to dismissal.

Prerequisite Courses
It is the student’s responsibility to satisfactorily complete a prerequisite course before scheduling a dependent course.

Registration
Registration is processed through WESS, the Web Enrollment Services for Students. Specific directions can be found on the web and in each semester’s Schedule of Courses booklet.
Repealed Courses

The policy of Montclair State University does not allow undergraduate students to repeat, more than twice, a course in which a grade of “F” was earned. The Dean of each College and School will have the discretion to make exceptions to this policy in special cases and extenuating circumstances. This policy became effective on September 1, 1997, and applies to all students regardless of their date of entry to Montclair State University.

Courses in which the student received grades of “C-” or higher cannot be repeated for credit. If a course in which the student previously earned a grade of “C-” or higher at MSU is repeated at MSU (other than on an official Audit basis -- see sections on Auditing Courses) the second grade will be posted as NC (No Credit). It is the student’s responsibility to ensure that his/her registration does not include ineligible courses.

To repeat a course a student must register and make payment for that course. Courses must be repeated prior to graduation. There is no special approval required to repeat a course in which a grade of “D-”, “D”, or “D+” was received. Where a course is no longer offered, the Dean of the College or School, in consultation with the Department Chairperson, shall designate an appropriate replacement course. A course repeated at another institution does not remove an “F”, “D-”, “D”, or “D+” at Montclair State.

When a course has been repeated, both the original and subsequent courses are included on the permanent record, but the credit is counted only once. The grade received in the repeated course becomes the official final grade.

Residence Requirements

A minimum of 32 credit hours of the total required for the baccalaureate degree must be completed at Montclair State. The final 24 credit hours required for graduation must be taken at Montclair State and cannot be acquired through transfer. This policy is strictly adhered to.

Any student who transfers from another institution with advanced standing in a major field of study is required to complete a minimum of twelve credit hours of upper level course work in the major at Montclair State. Some curricula may require more than this minimum.

Standards for Academic Progress

For Academic Standards purposes, total semester hours attempted will be used to determine a student's class standing.

Students are subject to academic probation, suspension or dismissal if the cumulative grade point average (GPA) is below 2.000 for the number of semester hours attempted. Semester hours attempted include all courses taken at Montclair State and any credits earned through transfer, credit by examination or assessment.

Probation

Students will be placed on academic probation if their GPA falls below 2.000 at the end of a semester or summer session. Students are removed from academic probation when their cumulative GPA is 2.000 or better.

Suspension

If while on academic probation, a student who has attempted a minimum of 12 semester hours and earns a cumulative GPA below 2.000 for a semester or summer session’s work, that student will be academically suspended. Students academically suspended can not enroll in courses at Montclair State University under any circumstances for two calendar years or until they have earned at least 30 semester hours from another accredited college or university. Students who have been academically dismissed are eligible to apply for readmission through the Office of Admission. Readmission is not automatic and will be based upon the review of documents submitted in support of the readmission application. Addition-

ally, readmission is based on the probability of success in the chosen major and upon the space available at the time of readmission.

Dismissal

A student who is readmitted from academic suspension must earn at least a 2.000 semester GPA their first semester back or the student will be academically dismissed.

Students academically dismissed can not enroll in courses at Montclair State University under any circumstances for two calendar years or until they have earned at least 30 semester hours from another accredited college or university. Students who have been academically dismissed are eligible to apply for readmission through the Office of Admission. Readmission is not automatic and will be based upon the review of documents submitted in support of the readmission application.

Standards for Formal Written Work

Most courses at Montclair State require written assignments because writing is one of the best ways to explore, refine, and demonstrate knowledge. The following statement describes the mental operations and the writing skills that the faculty expects in your formal written work. (You should assume that an assignment requires formal preparation unless your instructor states otherwise.) College Writing I: Intellectual Prose and College Writing II: Writing and Literary Study provide a solid foundation in these abilities, but that is only the beginning. The written work that you do in all your courses will build on the foundation established in College Writing I: Intellectual Prose and College Writing II: Writing and Literary Study, developing your ability to think and to communicate your thoughts in writing.

In the academic world, as in the world at large, readers will judge your written work primarily on the basis of its content; that is, on the quality of the information and opinions it contains. However, the careful organization and the clear, concise expression of that content are essential if your readers are to grasp your full meaning. The faculty will therefore evaluate the organization and expression of your written assignments along with the content. Grammar, mechanics, and appearance will also be considered, because problems in these areas can interfere with readers’ comprehension of your work, or even prevent them from giving it their serious attention.

Individual departments and instructors may add their own requirements to this statement, and each instructor will decide how the various elements will influence grading in a particular course. However, in the course that you will take to satisfy your graduation requirement in writing, you will be given a grade of Incomplete and referred to the Writing Center if your writing has severe problems. This will apply regardless of the average grade of any other work done in that course.

If you have questions about these standards, you may seek clarification from your instructors, from the English Department, or from the Writing Center staff. The Writing Center (Dickson Hall, Room 285, 973-655-7442) offers consultation and tutorial help to all students, ideally through regularly weekly appointments, but also on a drop-in basis. There is no charge for this service.

Writing and Thinking

You should be able to perform with college-level competence the mental operations on which written work depends. These include:

- Generalization: Finding the common element that relates particular examples or instances to each other; abstracting.
- Inference: Drawing out meanings that are implied but not stated explicitly; reading between the lines.
- Analysis: Examining parts of the whole, such as causes, effects, and processes.
- Synthesis: Forming ideas into new relationships; creating.
The Writing Process
Successful writing is seldom merely the recording of the writer’s first thoughts. More often it is the result of a process involving several stages. You should know how to use strategies that will help you to:

- Choose and limit a topic
- Collect information
- Develop ideas
- Produce rough and polished drafts
- Revise and edit
- Proofread

Library Research and Documentation
You should be able to locate, evaluate, and use materials published in various forms, including books, periodicals, newspapers, government documents, indexes, abstracts, microforms, websites, electronic mail, discussion groups, and other media materials.

You should be able to summarize or paraphrase the written work of others. Paraphrased material must be completely restated in your own words, and should blend smoothly into your style.

You should be able to identify your source material according to the method your instructor requires. Data or distinctive ideas taken from sources must be identified by the methods of an approved citation system (i.e., MLA, APA, etc.), even if those ideas are not quoted directly. Direct quotations must be identified by a citation as well as by quotation marks or block indentation.

Failure to treat source material properly may be construed as plagiarism, a serious academic offense. (See Plagiarism under Academic Policies and Procedures.)

Standard English, Grammar, Style
Your papers should be written in formal, standard English. They should be free of nonstandard constructions (such as double negatives) and of informal usage (such as “The experiment went O.K.”).

Your sentence structure should be free of major grammatical problems, such as sentence fragments, subject-verb disagreement, inconsistent verb tenses, unclear pronoun reference, and misplaced modifiers.

Your sentences should be clear and concise, showing capable use of the tools necessary to a mature writing style, such as coordination, subordination, parallelism, and transitional devices.

Your choice of words should be precise and appropriate to your subject. You may sometimes find it essential to use technical terms, but you should always avoid unnecessary jargon.

Mechanics and Appearance
Your papers should contain no errors in spelling, punctuation, capitalization, or typing.

You should show careful attention to matters of appearance, including legibility, neat corrections, and suitable presentation.

If your instructor does not specify how you are to present your paper you may follow these recommendations:

Use a cover sheet that includes:

- Your name
- The title of the paper
- The title and section number of the course
- The name of the instructor
- The date

Make margins at least one inch all around. Number the pages.

Formal papers should be carefully proofread and typed. Last minute corrections should be neat and clear.

Student Responsibility
Students are expected to assume responsibility for knowing and meeting the various regulations and procedures set forth in the Montclair State University catalogs and in the schedule of courses booklet published each semester. Montclair State University reserves the right to terminate the enrollment of any student whose conduct, class attendance, academic record or financial obligation should prove unsatisfactory.

Student Rights
The Family Education Rights and Privacy Act of 1974 (FERPA) permits the University to release directory information about a student unless the student specifically requests that this information be withheld. Students who do not wish directory information to be released should notify the Office of Student Development and Campus Life, Room 400, Student Center, within the first two weeks of each semester.

Montclair State University defines directory information as: name and address, telephone number, e-mail address, date and place of birth, major field of study, participation in officially recognized activities and sports, height and weight of members of athletic teams, dates of attendance, degrees and awards received, photographs, most recent previous institution attended, date of degree conferment, career (UG/GR), status (full-time or part-time), and classification (freshman, sophomore, junior, senior, pre-matriculated, provisionally matriculated, matriculated, etc.). Student rights under FERPA include the following: the right to inspect and review; the right to request amendment of records; the right to consent to disclosure, with certain exceptions; the right to file a complaint with the U.S. Department of Education; the right to obtain a copy of the student records policy (a policy statement pertaining to this matter may be obtained from the Office of the Vice President of Student Development and Campus Life).

Transcripts
In order to receive an official Montclair State University transcript, students must complete and sign a transcript request form, available through the Office of the Registrar or on the web (www.montclair.edu/transcript). A fee of $6.00 per copy (both undergraduate and graduate records for the same student are considered one copy) is payable, in advance, to Montclair State University. Same day processing service is available at a charge of $12.00 for the first copy and $8.00 for each additional copy.

At the conclusion of each semester, please allow ten working days for grade processing. Transcript requests which include grades from the immediately proceeding semester will be processed after the grading cycle is complete. Transcripts will not be released for students who have a financial obligation (e.g., library, parking, loan, etc.) to Montclair State University.

Students may also access their grades through WESS, the Web Enrollment Services for Students.
Transfer Credit
Undergraduate students who would like to take courses at another regionally accredited institution and transfer the credits to Montclair State University must complete the form “Request for Work at Another Institution” available in the Office of the Registrar prior to enrollment in the course(s) being transferred. Students are strongly encouraged to speak to their advisor before taking courses elsewhere. Once an official transcript is received all accepted credits will be listed, without grades, on the students permanent Montclair State University record. Grades earned at other institutions are not included in the Montclair State University cumulative grade point average, and cannot be used to repeat a “D+”, “D”, “D-” or “F” grade earned at MSU. However, transfer credit hours are used in determining the student’s class level.

Entering transfer students to MSU will receive an assessment of their transfer credits and how these credits will be used in the accepted or intended program of study. Courses with grades of “D+”, “D”, “D-” or “F” are accepted only if the transfer student has an A.A. or A.S. degree from an accredited transfer institution.

Waivers of College Writing I: Intellectual Prose and College Writing II: Writing and Literary Study, must be completed before the end of the sophomore year for students who enter the university as freshmen. Transfer students must complete these waivers by the end of their first semester of attendance.

Transfer Credit
Non-Accredited Institutions
To receive transfer credit from an institution which is not regionally accredited but is licensed by the state to grant degrees:

1. In the first semester, a full-time student shall earn a minimum of 12 semester hours with a minimum grade point average of 2.000.
2. A part-time student shall earn a minimum of 12 semester hours in the first 14-15 semester hours attempted and with a minimum cumulative grade point average of 2.000.

Undergraduates in Graduate Courses
Montclair State University seniors within 16 semester hours of completing the baccalaureate degree requirements, who possess at least a 2.700 grade point average and have taken all required prerequisites, may apply for permission to take up to 6 hours of 500 level courses for either undergraduate credit or graduate credit or up to 6 hours of 400 level coursework for graduate credit, if prior permission is granted. A graduate course taken for undergraduate credit cannot later be included in a graduate degree program. If courses are taken for graduate credit, graduate tuition and fees will be charged and the courses will appear on a graduate record. The required forms are available at the Graduate School; they must be completed and submitted to the Office of the Registrar in person when registering.

Admission of an undergraduate to a course that yields graduate credit does not imply future acceptance into any graduate program. That can only be done through the normal graduate admission process. Those planning to matriculate in graduate programs at Montclair State University should refer to the Graduate Catalog for specific admission requirements.

Withdrawal from Courses
During the Fall and Spring semester, students may withdraw from any class through the ninth week of the semester through WESS and receive a grade of “WD”. Students wishing to withdraw after the ninth week may petition their individual instructors for grades of “WP” or “WF” through the last day of classes.

During Summer Sessions, students may withdraw from a course and receive a grade of “WD” up to the midpoint of the course. Students wishing to withdraw after the mid-point may petition their individual instructors for grades of “WP” or “WF” through the last day of classes. Withdrawal deadlines are published each year in the Summer Sessions catalog and on the website <www.montclair.edu/summer>. Students may use WESS to drop courses through the first day of class. After the first day of class and through the midpoint of the course, all requests to withdraw from Summer Sessions courses must be submitted to the Office of the Registrar in writing. Students may fax a request to withdraw (973-655-7371); they may mail a written request to withdraw, or they may complete a Withdrawal form. Refunds are computed from the date of receipt of the written notice of withdrawal, or from the date of the U.S. postmark for those received through the U.S. mail. Refunds are not based upon the circumstances that necessitate the withdrawal. Students who do not drop their course(s) either through WESS or by written notice to the Registrar will receive the grade of “F” in those courses they cease to attend.

Exemptions from these deadlines will only be considered when unforeseeable and uncontrollable circumstances prevent the student from withdrawing by the official dates prescribed by the University. Requests for exemptions should be made in the Dean of Students office and appropriate documentation must accompany the request. Refund requests must be submitted in writing to the University Bursar subsequent to the withdrawal from class.
Withdrawal from Montclair State University

All undergraduate students who decide to withdraw or would like to request a leave of absence from Montclair State University must complete a “Notice of Withdrawal/Leave of Absence” form available in the Center for Academic Advising and Adult Learning, Morehead Hall, Room 132. If the student is a minor, the signature of a parent or guardian is required on the “Notice of Withdrawal/Leave of Absence” form. Strict adherence to the withdrawal procedure is necessary for possible readmission to Montclair State.

Submitting the Notice of Withdrawal/Leave of Absence form will not drop students from courses. In addition to filing the official withdrawal form, students must withdraw from the semester through WESS or by filing a “Course Withdrawal Form” in the Office of the Registrar, according to established deadlines.
Requirements for the Undergraduate Degree

The academic program of Montclair State has been designed to provide each student with an in-depth experience in a major program, a sequence of courses to develop basic communication skills, and a series of general education courses to expose the student to the breadth and methods in the various fields of human knowledge. The structure of the general education program is designed to provide the best comprehensive liberal arts education for all students.

The following pages provide a description of the degree program requirements and an outline of the general education program required of all students. These requirements are fundamental and should be a major part of the first two years of a student’s undergraduate program. Departmental curriculum guides provided for your major course sequence should also be consulted.

A minimum of 120 semester hours of course work are required for the baccalaureate degree. However, more than 120 semester hours may be required, depending upon the major field of study.

In addition to the requirements stated above, the University requires that the academic preparation of all incoming students be reviewed and appropriate testing be administered through the Montclair State University Placement Test. If a student is found to have deficiencies in the areas of reading, writing, computation and/or elementary algebra, developmental courses are required and the student is expected to meet minimum standards during the first year of attendance at Montclair State.

Major

One of the purposes of an arts and science program is to provide the student with a broad general education in addition to a major field of study. While a major may consist of a minimum of 32 semester hours, including a writing requirement, the actual number of semester hours vary significantly depending upon the academic discipline. In addition, a number of undergraduate degree programs offer a separate concentration, which complements and provides a supportive area of expertise interrelated to the major. For details on specific majors and their concentrations, consult the academic programs section within this catalog and academic or faculty advisors.

Free Electives

Students may fulfill their remaining credits for a minimum of 120 semester hour degree requirements through the selection of any other courses. Students may also choose a minor in a field by taking the appropriate course work as part of their free electives. They may also use electives to meet other program requirements such as the multicultural awareness course and teacher certification.

General Education

With knowledge and technology increasing at an ever faster rate and global communication closely intertwining different world cultures, General Education at Montclair State University seeks to prepare students to be lifelong learners, information literate, knowledgeable, active and discerning citizens, culturally aware, and self-reflective critical thinkers who can function locally as well as in the nation and the global community. It seeks to provide students with the knowledge base and skills to adapt to the work place as well as to function in an increasingly complex society. On completion of the program the student will enjoy the benefits of the best of the traditional liberal arts curriculum together with a contemporary approach to social and technological change: facility in a foreign language, a sense of history, a perspective on social sciences, a familiarity with the humanities and art, and an understanding of computer science, mathematical and scientific principles and some of their modern applications; and an understanding of major cultures around the world.

The courses taken to fulfill this requirement are designed to impart not merely information, but techniques of problem solving and analytical thinking. Primary readings in the work of classical thinkers and substantial writing assignments will be featured in every course. Whenever possible, professors will show how several academic disciplines bear on a single course or topic. The General Education Program dedicates some of the major resources of Montclair State to the benefit of introductory students and exists in synergy with the academic requirements of the major.

All first time freshman who began their studies at Montclair State in Fall 2002 or thereafter and transfer students entering Montclair in Fall 2005 must meet the requirements of the Gen Ed 2002. Transfer students entering MSU prior to Fall 2005 must meet the 1983 General Education Requirement (GER).

Gen Ed 2002 combines a strong disciplinary component with an interdisciplinary component that deals with contemporary issues. New interdisciplinary courses are aimed at raising the level of awareness of our students as to what it means to be responsible citizens of their community, the USA, and the world. In these courses, students will have the opportunity to study scientific, national, and global contemporary issues from an interdisciplinary perspective. They comprise the major difference between the Gen Ed 2002 and the 1983 GER. These courses also create meaningful common experiences for students that will enhance the Montclair experience. Course descriptions are listed below.

A minimum of 120 semester hours is required for the baccalaureate degree. However, depending upon the major and choice of free electives, programs may require more than 120 semester hours for completion. For details on specific programs, consult the academic programs section of this catalog and the program worksheets for your major available from an academic advisor or faculty advisor. Also, general information on teacher certification may be found in this catalog. In the Table of Contents, see Other Academic Programs, Teacher Education.

Gen Ed 2002

Bachelor of Arts and Bachelor of Science

It is recommended that, whenever possible, a student complete the General Education Program during the first two years of study.

The same course may be used to satisfy both Gen Ed 2002 and major, certification, or multicultural awareness requirements, if it has been approved for these purposes.

See Gen Ed 2002, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the Gen Ed 2002 categories listed below.

A. New Student Seminar

1 Semester Hour

The New Student Seminar course embodies and expresses the goals of the entire Freshman Year Experience. This course is designed to provide students with strategies and information essential to the enhancement of their academic and social success. This course affords first-year students the opportunity to experience the larger campus community while learning skills for effective study, retrieval and evaluation of information, critical thinking, problem-solving, and the development of life-long learning skills. Departments may offer a new student experience course for their own majors.
B. Interdisciplinary Courses  9 Semester Hours

These interdisciplinary Contemporary Issues courses raise students' awareness about what it means to be responsible citizens of the community, the U.S., and the world. They focus on scientific, national, and global issues.

NOTE: Students entering MSU as first-time freshmen in the academic years 2002-03, 2003-04, and 2004-05 are required to fulfill the Contemporary Issues requirement by taking one Contemporary Issues course and two replacement courses from a designated category. See the descriptions below as well as the Contemporary Issues options in the Gen Ed 2002 Appendix of Courses in this catalog.

B1. Contemporary Issues I: Scientific Issues  3 Semester Hours

This course will draw upon basic principles from biological and physical sciences to demonstrate the application of the scientific method, scientific data analysis, reasoning and logic to an examination of selected contemporary issues such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, and new developments in medicine. Students completing this course should achieve an understanding of the way multidisciplinary scientific knowledge and methodology is applied to the decision making processes that address the scientific issues and problems facing contemporary society. Students will understand the interconnections between developments in science and the quality of human life as well as comprehend the overall concepts that unify and connect the approaches from various physical and natural disciplines of science. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film or participating in an experiential activity. Note: The course will be taught by a least one member of biology, chemistry, environmental sciences, geoscience, molecular biology or physics.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 201 must take an additional Math or Science course from the H or I list found in the Gen Ed 2002 Appendix of Courses.

B2. Contemporary Issues II: National Issues  3 Semester Hours

This course is designed for students at the sophomore level to pursue interdisciplinary study of a theme similar to those of Contemporary Issues II, but in which the primary focus is the world outside of the USA. Specialists in different disciplines with expertise in global issues will collaborate to present comparative perspectives on contemporary issues. Of course, comparisons and contrasts will be made with the American experience. Again, as in Contemporary Issues II, the influence of the past on the present is a valid aspect of such a course. The course might deal, for example, with issues such as revolution and artistic expression or with conflicts between secular and/or religious world views. On the other hand, the course might deal with the same issue as Contemporary Issues II only this time it will be approached from a global perspective. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film, or participating in an experiential activity. Part of a university-approved study abroad program could satisfy this requirement.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 303 must take an additional Social Science/Non-Western Cultural Perspectives course from the K2 list found in the Gen Ed 2002 Appendix of Courses.

B3. Contemporary Issues III: Global Issues  3 Semester Hours

This course is designed for students at the sophomore level to pursue interdisciplinary study of a theme similar to those of Contemporary Issues II, but in which the primary focus is the world outside of the USA. Specialists in different disciplines with expertise in global issues will collaborate to present comparative perspectives on contemporary issues. Of course, comparisons and contrasts will be made with the American experience. Again, as in Contemporary Issues II, the influence of the past on the present is a valid aspect of such a course. The course might deal, for example, with issues such as revolution and artistic expression or with conflicts between secular and/or religious world views. On the other hand, the course might deal with the same issue as Contemporary Issues II only this time it will be approached from a global perspective. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film, or participating in an experiential activity. Part of a university-approved study abroad program could satisfy this requirement.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 303 must take an additional Social Science/Non-Western Cultural Perspectives course from the K2 list found in the Gen Ed 2002 Appendix of Courses.

C. Communication  9 Semester Hours

C1. Writing/Literature:  6 Semester Hours

Students will take two sequential semesters of intensive writing instruction. This will be accomplished as follows: College Writing I: Intellectual Prose will stress the development of student thinking and writing abilities through frequent writing assignments based on critical response to intellectual prose, with significant attention to library research. College Writing II: Writing and Literary Study will require frequent writing assignments based on interpretation and appreciation of literary works of various genres.

C2. Communication:  3 Semester Hours

A course that seeks to introduce students to both the conceptualization and the practice of effective oral communication by developing student understanding and skill in various oral presentation formats. The course emphasizes the complex and dynamic nature of human communication through a focus on the essential and basic elements of public communication, including listening, message design, and delivery skills.
D. Fine and Performing Arts 3 Semester Hours
A course that provides an appreciation of the arts (Dance, Music, Theater, Visual Arts*), with insights into cultures, historical events, values and styles. [*includes film]
or
A course that introduces the student to an appreciation of an art form through the process that involves the development of a creative idea and results in the actual work(s) or performance(s), with appropriate treatment of styles, values, backgrounds and technical challenges.

E. World Languages 3 -6 Semester Hours
At a time when Montclair State University is committed to internationalizing the curriculum and when the public schools of New Jersey are under a state mandate to start world language study in the elementary schools, it is important to encourage students to pursue study of world languages.

The World Languages requirement thus consists of a three to six semester-hour sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Students wishing to continue a language already studied in high school or elsewhere must demonstrate proficiency equivalent to completion of the third semester. Students who do not place at this level must take up to 6 s.h. of further study dependent upon their scores in the placement test (i.e., those who score at the second semester level must take 6 s.h., those who score at the third semester level must take 3 s.h.). Students who demonstrate proficiency equivalent to completion of the third semester of world language study must take one additional 3 s.h. course at a higher level in that language or a course in English about a foreign culture or civilization. Students wishing to begin a new language with which they have no experience must take two semesters (6 s.h.) of that language.

Note: The entrance requirement for Montclair State University includes 2 years of a world language. As is the case with the current foreign language requirement, only elective credit is given for the first semester level of a language already studied in high school regardless of the placement score.

F. Humanities 6 Semester Hours
F1. World Literature or General Humanities: 3 Semester Hours
World literature. A course in major works of world literature from both Western and non-Western sources. This course provides students with the opportunity to explore the literary products of the creative imagination of different cultures and enhances the understanding of different cultural concerns. It also develops in students a heightened response and sensitivity to literature.
or
General Humanities. An interdisciplinary course in General Humanities in which students learn about and discuss some of the major questions which have preoccupied humanity through the ages. The course demonstrates the variety of humanistic achievement in several areas of artistic endeavor and creates a deeper understanding of the values of different civilizations.

F2. Philosophy or Religion: 3 Semester Hours
A course in philosophy or in religion which introduces great philosophical or religious ideas and traditions. This course enables students to understand how such ideas and traditions offer a philosophical and/or religious response to specific questions or issues. It expands students’ understanding of fundamental concepts of the human condition.

G. Computer Science 0-3 Semester Hours
The objective of the course in computer science is to develop in students the computing knowledge and skills necessary to understand, evaluate, and use the increasing and changing computer technologies of the twenty-first century. The course will help students understand the milieu of computing: the history and development of computer science as a science, hardware and software interaction, technology and change, and social responsibility and ethics. Students will experience the uses and uniqueness of computer science and computing in problem solving and critical thinking. They will learn to differentiate problems solving in computing from that in other domains; understand the problem they are solving; find and use the best computer tools to solve the problem, and understand the limits of computers and that some problems cannot or should not be attempted mechanically; and communicate the solution. They will acquire the necessary skills to understand, evaluate and use specific software systems in the context of computing environments. The course considers not only current computer skills, for example, competency in Office applications, but more importantly computer knowledge, that is, fundamental ideas of computing. Since skill obsolescence is inherent in computing, the fundamental ideas of computing that support the learning of anticipated new skills are essential. Note: Students will be allowed to take an examination to “place-out” of the Computer Science requirement.

H. Mathematics 3 Semester Hours
This course will introduce students to the application of mathematical methods to the solution of real-world problems. Students completing this course will be able to translate real world problems into mathematical language, interpret mathematical models, and present mathematical information, while recognizing that the methods have limits. The course will develop students’ ability to think logically and precisely, by strengthening their general reasoning powers, developing their problem-solving and critical thinking skills, and emphasizing to them that there is more than one way to solve a problem. Students will be repeatedly immersed in interesting quantitative settings that require drawing inferences, estimating results, assessing risks, and making reasonable guesses. The course will include mathematical content, develop the deductive nature of theoretical mathematics, make use of modern technology to analyze problems and their solutions, and develop students’ ability to use concepts, procedures and intellectual processes.

I. Natural/Physical Science Laboratory 4 Semester Hours
A course which includes a hands-on experience in a laboratory setting and which incorporates the scientific method by involving students with observations, the identification of patterns and regularities, the development of hypotheses and theory and models, and prediction and testing. The scientific method will be applied within the context of a discipline, utilizing a body of knowledge (more than can be given in an interdisciplinary overview course) and examining a variety of equipment, software and other tools students need for observation. Students will develop critical thinking skills as well as understand the open-endedness and limitations of science.

J. Physical Education 1 Semester Hour
A course for developing an awareness of the need for a regular program of moderate physical activity to promote health and well-
being in the daily lives of students. This course provides for the development of skills and knowledge to engage in lifetime physical pursuits. This includes but is not limited to sports such as tennis, swimming and jogging, human movement activities such as aerobics and dance, and other fitness activities that develop cardiovascular endurance and efficiency.

K. Social Science  9 Semester Hours

K1. American or European History: 3 Semester Hours
The course will provide an understanding of the American or European historical legacy that continues to influence contemporary events. It will provide an understanding of the historical foundations of our political, legal, economic and social culture.

K2. Non-Western Cultural Perspectives: 3 Semester Hours
A course in the cultures or civilizations that are identified with the continents of Asia, Africa, or the Americas and are distinguished as evolving from non-European roots and along separate paths of development. The study of non-Western cultures or civilizations will prepare students to participate in an increasingly interdependent global civilization. It will also foster an appreciation of the non-Western sources of our contemporary civilization.

K3. Social Science: 3 Semester Hours
Social Science (other than History). Students can choose a social science course that applies a particular analytical approach and empirical perspective to issues of importance to the individual and society. The course will provide an intellectual path for understanding the forces that will shape our national and global society.

L. General Education Elective  3 Semester Hours
1. Gen Ed 2002 approved courses (other than physical education).
2. General introductory courses at the 100-level or 200-level in any department in the university.

Gen Ed 2002

Bachelor of Fine Arts and Bachelor of Music

It is recommended that, whenever possible, a student complete the General Education Program during the first two years of study.

The same course may be used to satisfy both Gen Ed 2002 and major, certification, or multicultural awareness requirements, if it has been approved for these purposes.

See Gen Ed 2002, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the Gen Ed 2002 categories listed below.

A. New Student Seminar  1 Semester Hour
The New Student Seminar course embodies and expresses the goals of the entire Freshman Year Experience. This course is designed to provide students with strategies and information essential to the enhancement of their academic and social success. This course affords first-year students the opportunity to experience the larger campus community while learning skills for effective study; retrieval and evaluation of information, critical thinking, problem-solving, and the development of life-long learning skills. Departments may offer a new student experience course for their own majors.

B. Interdisciplinary Courses  9 Semester Hours
These interdisciplinary Contemporary Issues courses raise students' awareness about what it means to be responsible citizens of the community, the U.S., and the world. They focus on scientific, national, and global issues.

NOTE: Students entering MSU as first-time freshmen in the academic years 2002-03, 2003-04, and 2004-05 are required to fulfill the Contemporary Issues requirement. But they will do so by taking one Contemporary Issues course and two replacement courses from a designated category. See the descriptions below as well as the Contemporary Issues options in the Gen Ed 2002 Appendix of Courses in this catalog.

B1. Contemporary Issues I: Scientific Issues  3 Semester Hours
This course will draw upon basic principles from biological and physical sciences to demonstrate the application of the scientific method, scientific data analysis, reasoning and logic to an examination of selected contemporary issues such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, and new developments in medicine. Students completing this course should achieve an understanding of the way multidisciplinary scientific knowledge and methodology is applied to the decision making processes that address the scientific issues and problems facing contemporary society. Students will understand the interconnections between developments in science and the quality of human life as well as comprehend the overall concepts that unify and connect the approaches from various physical and natural disciplines of science. Students in all sections would have at least one common experience which could be reading the same book, hearing the same lecturer, seeing the same play or film or participating in an experiential activity. Note: The course will be taught by a least one member of biology, chemistry, environmental sciences, geoscience, molecular biology or physics.

NOTE: Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 201 must take an additional Math or Science course from the H or I list found in the Gen Ed 2002 Appendix of Courses.

B2. Contemporary Issues II: National Issues  3 Semester Hours
This course is designed to introduce students at the sophomore level to contemporary issues of importance within the USA today. Although the focus of the course is national, it may of course include comparative discussion of the issue from an international perspective. A course may also consider – if relevant – the influence of the past and its function in forming contemporary ideas and beliefs. Sample themes might be drawn from concepts of justice, race, ethics, gender, culture, or the self, to name just a few. An overarching theme would be explored by teams of at least two faculty drawing on their disciplinary and methodological training to show students that their disciplines are not self-contained, that different approaches can attack the same problem, and that knowledge is integrative. Students in all sections would have at least one common experience which could be reading the same book, hearing a
visiting lecturer, seeing the same play or film, or participating in an experiential activity. Note: The course will be taught by at least one member of a social science discipline (that is, those disciplines housed in social science departments): anthropology, economics, geography, political science, psychology or sociology.

**NOTE:** Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 202 must take an additional Social Science course from the K3 list found in the Gen Ed 2002 Appendix of Courses.

**B3. Contemporary Issues III:**

**Global Issues**

3 Semester Hours

This course is designed for students at the sophomore level to pursue interdisciplinary study of a theme similar to those of Contemporary Issues II, but in which the primary focus is the world outside of the USA. Specialists in different disciplines with expertise in global issues will collaborate to present comparative perspectives on contemporary issues. Of course, comparisons and contrasts will be made with the American experience. Again, as in Contemporary Issues II, the influence of the past on the present is a valid aspect of such a course. The course might deal, for example, with issues such as revolution and artistic expression or with conflicts between secular and/or religious world views. On the other hand, the course might deal with the same issue as Contemporary Issues II only this time it will be approached from a global perspective. Students in all sections would have at least one common experience which could be reading the same book, hearing a visiting lecturer, seeing the same play or film, or participating in an experiential activity. Part of a university-approved study abroad program could satisfy this requirement.

**NOTE:** Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 303 must take an additional Social Science/Non-Western Cultural Perspectives course from the K2 list found in the Gen Ed 2002 Appendix of Courses.

**C. Communication**

6-9 Semester Hours

**C1. Writing/Literature:** 6 Semester Hours

Students will take two sequential semesters of intensive writing instruction. This will be accomplished as follows: *College Writing I: Intellectual Prose* will stress the development of student thinking and writing abilities through frequent writing assignments based on critical response to intellectual prose, with significant attention to library research. *College Writing II: Writing and Literary Study* will require frequent writing assignments based on interpretation and appreciation of literary works of various genres.

**C2. Communication:** 0-3 Semester Hours

A course that seeks to introduce students to both the conceptualization and the practice of effective oral communication by developing student understanding and skill in various oral presentation formats. The course emphasizes the complex and dynamic nature of human communication through a focus on the essential and basic elements of public communication, including listening, message design, and delivery skills.

**D. Fine and Performing Arts**

(Not Applicable)

**E. World Languages**

3 - 6 Semester Hours

At a time when Montclair State University is committed to internationalizing the curriculum and when the public schools of New Jersey are under a state mandate to start world language study in the elementary schools, it is important to encourage students to pursue study of world languages.

The World Languages requirement thus consists of a three to six semester-hour sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Students wishing to continue a language already studied in high school or elsewhere must demonstrate proficiency equivalent to completion of the third semester. Students who do not place at this level must take up to 6 s.h. of further study dependent upon their scores in the placement test (i.e., those who score at the second semester level must take 6 s.h., those who score at the third semester level must take 3 s.h.). Students who demonstrate proficiency equivalent to completion of the third semester of world language study must take one additional 3 s.h. course at a higher level in that language or a course in English about a foreign culture or civilization. Students wishing to begin a new language with which they have no experience must take two semesters (6 s.h.) of that language.

Note: The entrance requirement for Montclair State University includes 2 years of a world language. As is the case with the current foreign language requirement, only elective credit is given for the first semester level of a language already studied in high school regardless of the placement score.

**F. Humanities**

6 Semester Hours

**F1. World Literature or General Humanities:** 3 Semester Hours

World literature. A course in major works of world literature from both Western and non-Western sources. This course provides students with the opportunity to explore the literary products of the creative imagination of different cultures and enhances the understanding of different cultural concerns. It also develops in students a heightened response and sensitivity to literature.

**or**

General Humanities. An interdisciplinary course in General Humanities in which students learn about and discuss some of the major questions which have preoccupied humanity through the ages. The course demonstrates the variety of humanistic achievement in several areas of artistic endeavor and creates a deeper understanding of the values of different civilizations.

**F2. Philosophy or Religion:** 3 Semester Hours

A course in philosophy or in religion which introduces great philosophical or religious ideas and traditions. This course enables students to understand how such ideas and traditions offer a philosophical and/or religious response to specific questions or issues. It expands students’ understanding of fundamental concepts of the human condition.

**G. Computer Science:**

0-3 Semester Hours

The objective of the course in computer science is to develop in
students the computing knowledge and skills necessary to understand, evaluate, and use the increasing and changing computer technologies of the twenty-first century. The course will help students understand the milieu of computing: the history and development of computer science as a science, hardware and software interaction, technology and change, and social responsibility and ethics. Students will experience the uses and uniqueness of computer science and computing in problem solving and critical thinking. They will learn to differentiate problems solving in computing from that in other domains; understand the problem they are solving; find and use the best computer tools to solve the problem, and understand the limits of computers and that some problems cannot or should not be attempted mechanically; and communicate the solution. They will acquire the necessary skills to understand, evaluate and use specific software systems in the context of computing environments.

The course considers not only current computer skills, for example, competency in Office applications, but more importantly computer knowledge, that is, fundamental ideas of computing. Since skill obsolescence is inherent in computing, the fundamental ideas of computing that support the learning of unanticipated new skills are essential. Note: Students will be allowed to take an examination to "place-out" of the Computer Science requirement.

H. Mathematics

I. Natural/Physical Science Laboratory

J. Physical Education

K. Social Science
   K1. American or European History: 3 Semester Hours
   The course will provide an understanding of the American or European historical legacy that continues to influence contemporary events. It will provide an understanding of the historical foundations of our political, legal, economic and social culture.
   K2. Non-Western Cultural Perspectives: (Not Applicable)
   K3. Social Science: (Not Applicable)

L. General Education Elective
   (Not Applicable)

Interdisciplinary Courses of Instruction

GNED 100
ADULT ACADEMIC SUCCESS SEMINAR 2.0
This course is designed for the adult student who is returning to college after some time away or entering college for the first time. It provides students with strategies and information essential to the enhancement of their academic and social success. This course affords adult students the opportunity to experience the larger campus community while learning skills for effective study, retrieval and evaluation of information, critical thinking, problem solving, and the development of life-long learning skills. Meets Gen Ed 2002–New Student Seminar.
Prerequisite: For Center for Adult Learning Students only.

GNED 201
CONTEMPORARY ISSUES I: SCIENTIFIC ISSUES 3.0
Introduces students at the sophomore level to a contemporary scientific issue to provide an understanding of the importance of science as a pervasive influence in their lives. Students will become aware of the impact of science at all life levels—locally, regionally, nationally, and globally. The course draws upon basic principles from biological and physical sciences, applying the scientific method, scientific data analysis, reasoning and logic to conduct an examination of a contemporary scientific issue such as global climate change, nuclear waste disposal, genetic engineering, environmental health risks, dwindling energy resources, planetary exploration, or new developments in medicine. It will be taught by faculty from two different disciplines, with at least one member from biology, chemistry, environmental sciences, geoscience, molecular biology, or physics. Meets the Gen Ed 2002–Interdisciplinary Courses, Contemporary Issues I.
Prerequisite: Sophomore standing.

GNED 202
CONTEMPORARY ISSUES II: NATIONAL ISSUES 3.0
Introduces students at the sophomore level to a contemporary issue of importance within the United States. The course may also include relevant international and historical perspectives. Draws upon basic principles from the social sciences, applying the scientific method, data analysis, reasoning and logic to conduct an examination of a contemporary social issue such as class, ethnicity, gender, immigration and migration inequality, justice, life course development, mental health, or race. Course will be taught by faculty from two different disciplines, with at least one member from anthropology, economics, geography, political science, psychology, or sociology. Meets the Gen Ed 2002–Interdisciplinary Courses, Contemporary Issues II.
Prerequisite: Sophomore standing.

GNED 303
CONTEMPORARY ISSUES III: GLOBAL ISSUES 3.0
Students pursue interdisciplinary study of a contemporary global issue in comparative perspective. The course examines the context of the issue, how it has arisen out of different socio-political circumstances and what results it has produced in different regions of the world. A team of faculty from two different disciplines will collaborate to address an issue such as artistic expression, citizenship, conflict and violence, environmental sustainability, ethnic and religious coexistence, immigration and migration, literacy, political development and economic change, public health, or world poverty. Meets the Gen Ed 2002–Interdisciplinary Courses, Contemporary Issues III.
Prerequisite: Sophomore standing.

Gen Ed 2002 Appendix of Courses

The following courses fulfill the Gen Ed 2002 for first-time freshmen who began their studies at Montclair State University in Fall, 2002 or thereafter, and transfer students entering Montclair State University in Fall 2005.

A. NEW STUDENT SEMINAR
   Biology and Molecular Biology
   BIOL 199 Freshman Seminar in Biology
   Broadcasting
   BDCS 100 Freshman Seminar in Broadcasting
   Center for Adult Learning
   GNED 100 Adult Academic Success Seminar
   Chemistry and Biochemistry
   CHEM 190 Freshman Seminar in Chemistry
   Health Professions, Physical Education, Recreation and Leisure Studies
   HOSP 199 Hospitality and Tourism Professional Seminar
B. INTERDISCIPLINARY COURSES

Students entering MSU as first-time freshmen in the academic years 2002-03, 2003-04, and 2004-05 are required to fulfill the Contemporary Issues requirement. But they will do so by taking one Contemporary Issues course (either Scientific Issues, National Issues, or Global Issues) and two replacement courses from a designated category.

Contemporary Issues I: Scientific Issues

Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 201 must take an additional Math or Science course from the K or I list found in the Gen Ed 2002 Appendix of Courses.

General

GNED 201 Contemporary Issues I: Scientific Issues
HONP 211 Honors Seminar in Contemporary Issues I**

Contemporary Issues II: National Issues

Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 202 must take an additional Social Science/Social Science course from the K list found in the Gen Ed 2002 Appendix of Courses.

General

GNED 202 Contemporary Issues II: National Issues
HONP 202 Honors Seminar in Contemporary Issues II**

Contemporary Issues III: Global Issues

Students entering MSU in the academic years 2002-03, 2003-04, and 2004-05 as first-time freshmen must take one Contemporary Issues course. Each student may choose whether to take the Scientific Issues, National Issues, or Global Issues Core course. Students not choosing to take GNED 303 must take an additional Social Science/Non-Western Cultural Perspectives course from the K2 list found in the Gen Ed 2002 Appendix of Courses.

General

GNED 303 Contemporary Issues III: Global Issues
HONP 103 Honors Seminar in Contemporary Civilization**

C. COMMUNICATION

Writing/Literature

English

ENWR 105 College Writing I: Intellectual Prose
AND
ENWR 106 College Writing II: Writing and Literary Study

Honors Program

HONP 100 Honors Seminar in Great Books and Ideas, Part I ** AND
HONP 101 Honors Seminar in Great Books and Ideas, Part II **

Communication

Communication Studies

SPCM 101 Fundamentals of Speech: Communication Requirement

D. FINE AND PERFORMING ARTS

Art and Design

ARAN 190 Introduction to the Visual Arts
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I
ARDW 200 Drawing, Beginning I
ARDW 201 Life Drawing, Beginning I
ARPA 200 Painting, Beginning I
ARPH 200 Photography Beginning I: Contemporary Art Form
ARPH 201 Digital Photo and Imaging I
ARPM 200 Printmaking, Beginning I
ARSC 200 Sculpture, Beginning I
ARSC 210 Sculpture, Beginning II

English

ENFL 208 Introduction to the Film

Honors Program

HONP 201 Honors Seminar in the Creative Process**

Music

MUGN 160 Introduction to Music in World Cultures
MUGN 209 Introduction to Jazz*
MUGN 250 Rap and Rock as Cultural Phenomena*

Theatre and Dance

DNCE 105 Dance Appreciation
DNCE 141 Dance Technique: Modern I
DNCE 155 Dance Technique: Ballet I
THTR 105 Acting I
THTR 265 The Contemporary Theatre of Cultural Diversity*

E. WORLD LANGUAGES

Classics and General Humanities

GREQ 101 Beginning Greek I
GREQ 112 Beginning Greek II
GREQ 121 Intermediate Greek I
LATN 101 Beginning Latin I
LATN 112 Beginning Latin II
LATN 121 Intermediate Latin I
LATN 132 Intermediate Latin II

French, German, and Russian

ARAB 101 Beginning Arabic I
ARAB 112 Beginning Arabic II
FREN 101 Beginning French I
FREN 112 Beginning French II
FREN 121 Intermediate French I
FREN 132 Intermediate French II
GERM 101 Beginning German I
GERM 112 Beginning German II
GERM 121 Intermediate German I
GERM 132 Intermediate German II
RUSS 101 Beginning Russian I
RUSS 112 Beginning Russian II
RUSS 121 Intermediate Russian I

* Meets Multicultural Awareness Requirement.
** For honors program students only.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>RUSS 132</td>
<td>Intermediate Russian II</td>
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</tbody>
</table>

**Linguistics**
- AMSL 101 Beginning American Sign Language I
- AMSL 102 Beginning American Sign Language II
- ARBC 101 Beginning Arabic I
- ARBC 112 Beginning Arabic II
- CHIN 101 Beginning Chinese I
- CHIN 102 Beginning Chinese II
- CHIN 201 Intermediate Chinese I
- CHIN 202 Intermediate Chinese II
- JAPN 101 Beginning Japanese I
- JAPN 102 Beginning Japanese II
- JAPN 201 Intermediate Japanese I
- JAPN 202 Intermediate Japanese II

**Spanish/Italian**
- ITAL 101 Italian I
- ITAL 102 Italian II
- ITAL 103 Italian III
- ITAL 104 Italian IV
- SPAN 101 Spanish I
- SPAN 102 Spanish II
- SPAN 103 Spanish III
- SPAN 104 Spanish IV

**F. HUMANITIES**

**F1. World Literature or General Humanities**

* Art and Design*
  - ARHS 105 Art in Western Civilization: Ancient and Medieval
  - ARHS 106 Art in Western Civilization: Renaissance to Modern

* Classics and General Humanities*
  - GNHU 115 Troy and the Trojan War
  - GNHU 201 General Humanities I to 1400
  - GNHU 202 General Humanities II from 1400
  - GNHU 285 Mythology

* English*
  - ENLT 206 World Literature: The Coming of Age Theme

**F2. Philosophy or Religion**

* Educational Foundations*
  - EDFD 220 Philosophical Orientation to Education

* Philosophy and Religion*
  - PHIL 100 Introduction to Philosophy
  - PHIL 106 Logic
  - RELG 100 Religions of the World
  - RELG 101 Introduction to Religion
  - RELG 221 Religion and Culture

**G. COMPUTER SCIENCE**

* Computer Science*
  - CMPT 109 Introduction to Computer Applications: Being Fluent with Information Technology
  - CMPT 112 Honors Seminar in Computing

* Honors Program*
  - HONP 112 Honors Seminar in Computing**

**H. MATHEMATICS**

* Honors Program*
  - HONP 104 Fractals and Infinity**

* Mathematical Sciences*
  - MATH 103 The Development of Mathematics
  - MATH 104 Fractals and Infinity
  - MATH 106 Contemporary Applied Math for Everyone
  - MATH 109 Statistics

**I. NATURAL/PHYSICAL SCIENCE LABORATORY**

* Anthropology*
  - ANTH 101 Physical Anthropology

* Biology and Molecular Biology*
  - BIOL 100 Biological Sciences
  - BIOL 109 The Living World
  - BIOL 110 Biology of Human Life

* Chemistry and Biochemistry*
  - CHEM 100 Introductory Chemistry

* Earth and Environmental Studies*
  - GEOS 107 Planet Earth
  - GEOS 112 Physical Geology
  - GEOS 114 Historical Geology
  - GEOS 125 Earth and the Environment
  - GEOS 257 Understanding Weather and Climate
  - PHMS 210 Introduction to Marine Sciences

* Honors Program*
  - HONP 210 Honors Seminar in Science **

**J. PHYSICAL EDUCATION**

* Health Professions, Physical Education, Recreation and Leisure Studies*
  - PEGN 200 Beginning Swimming
  - PEGN 202 Badminton
  - PEGN 203 Golf
  - PEGN 242 Racquetball
  - PEGN 251 Aerobic Activities
  - PEGN 252 Archery
  - PEGN 253 Gymnastics
  - PEGN 257 Weight Training and Conditioning
  - PEGN 258 Beginning Tennis
  - PEGN 260 Beginning Riding
  - PEGN 261 Fencing
  - PEGN 262 Volleyball
  - PEGN 264 Soccer
  - PEGN 265 Figure Skating
  - PEGN 266 Skiing
  - PEGN 268 Bicycling
  - PEGN 270 Folk and Square Dance
  - PEGN 271 Social Dance
  - PEGN 272 Bowling
  - PEGN 274 SCUBA Diving
  - PEGN 275 Beginning Karate
  - PEGN 278 Yoga
  - PEGN 279 Climbing and Rappelling

**K. SOCIAL SCIENCE**

* American or European History*

* Classics and General Humanities*
  - GNHU 281 Greek Civilization
  - GNHU 282 Roman Civilization

* History*
  - HIST 103 Foundations of Western Civilization
  - HIST 105 Emergence of European Civilization, 1500-1914
  - HIST 106 Contemporary Europe, 1914 to the Present
  - HIST 110 Introduction to American Civilization
  - HIST 117 History of the United States to 1876
  - HIST 118 History of the United States Since 1876
  - HIST 281 Greek Civilization
  - HIST 282 Roman Civilization

* Meets Multicultural Awareness Requirement.
** For honors program students only.
K2. Non-Western Cultural Perspectives

Anthropology
- ANTH 115 Cultures of the Middle East*
- ANTH 120 Native North Americans*
- ANTH 140 Non-Western Contributions to the Western World*
- ANTH 150 Native Latin Americans*
- ANTH 170 Peoples of Africa*

Art and Design
- ARHS 220 Art in Non-Western Societies*

Classics and General Humanities
- GNHU 217 Reading Asian Cultures*
- GNHU 289 Francophone Film*
- GNHU 293 Russian Culture and Civilization

Earth and Environmental Studies
- EUGS 207 Geography of East and Southeast Asia

French, German, and Russian
- FREN 289 Francophone Film*
- FRIN 289 Francophone Film*
- GRIN 293 Russian Culture and Civilization

History
- HIST 108 Introduction to African Civilization*
- HIST 114 Early Latin American Civilization*
- HIST 132 Introduction to Chinese Civilization*

Sociology
- SOCI 220 Sociology of Rich and Poor Nations

K3. Social Science

Anthropology
- ANTH 100 Cultural Anthropology*
- ANTH 110 The Anthropology of Multicultural America*
- ANTH 210 Urban Anthropology*
- ANTH 230 The Anthropology of Conflict and Violence

Earth and Environmental Studies
- ENVR 109 The Human Environment
- EUGS 101 Human Geography
- EUGS 102 World Geography
- EUGS 206 Introduction to American Urban Studies*
- EUGS 208 Land and Life in Latin America*
- EUGS 213 Urban Geography*

Economics and Finance
- ECON 100 Introduction to Economics
- ECON 101 Principles of Economics: Macro
- ECON 102 Principles of Economics: Micro

Educational Foundations
- EDFD 264 Gender Issues in Education*

Health Professions, Physical Education, Recreation and Leisure Studies
- HLTH 246 Epidemiology

Human Ecology
- HENU 153 Dynamics of Food and Society
- HETX 122 Clothing and Culture: A Multidisciplinary Study*

Legal Studies
- LSLW 200 Introduction to Law
- LSLW 220 Conflict and Its Resolution*

Linguistics
- LNGN 210 Introduction to General Linguistics
- LNGN 230 Language in Society
- LNGN 245 Language and Culture
- LNGN 250 Language of Propaganda
- LNGN 255 Language and Gender*

Political Science
- POLS 100 Introduction to Politics
- POLS 101 American Government and Politics
- POLS 201 Comparative Politics

Psychology
- PSYC 102 Women’s Worlds
- PSYC 109 The Human Environment

Sociology
- SOCI 113 Social Problems
- SOCI 206 Individual and Society
- SOCI 230 Sociology of Conflict and Violence

Women’s Studies
- WMST 102 Women’s Worlds

L. GENERAL EDUCATION ELECTIVE

1. Gen Ed 2002 approved courses (other than Physical Education).
2. General introductory courses at the 100-level or 200-level in any department in the university.

1983 General Education Requirement (GER)

The General Education Requirement at Montclair State is among the most comprehensive in area colleges and universities. On completion of the requirement, one will enjoy the benefits of the best of the traditional liberal arts curriculum: facility in a foreign language, a sense of history, a perspective on social sciences, a familiarity with the humanities and art, and an understanding of mathematical and scientific principles and some of their contemporary applications. Beyond these traditional areas, one will have had the opportunity to study a major non-Western culture and several non-Western literary masterpieces. At least one important contemporary issue will have been examined in depth, and an introduction to computers will have been provided.

The courses taken to fulfill this requirement are designed to impart not merely information, but techniques of problem solving and analytical thinking. Primary readings in the work of classical thinkers and substantial writing assignments will be featured in nearly every course. Whenever possible, professors will show how several academic disciplines bear on a single problem or topic.

The General Education Requirement dedicates some of the major resources of Montclair State to the benefit of introductory students. Combining the strength of the liberal arts curriculum with a contemporary approach to social and technological change, it supplies a valuable balance to any major program.

The following General Education Requirements apply to full-time freshman and part-time students who began their studies at Montclair State in Summer/Fall, 1983 through Summer 2002 or and transfer students entering Montclair in Fall 1985 through Spring 2005. These requirements are subject to change. Periodic visits to your faculty advisor or a Montclair academic advisor are strongly recommended to avoid difficulties in meeting graduation requirements.

All full-time freshman and part-time students who began their studies at
Montclair State in Fall 2002 or thereafter and transfer students entering Montclair in Fall 2005 must meet the requirements of the Gen Ed 2002. Others have a choice of these requirements or the 1983 General Education Requirement (GER).

GER 1983
Bachelor of Arts and Bachelor of Science
It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

The same course may be used to satisfy both GER and major, certification, or multicultural awareness requirements, if it has been approved for these purposes, except that courses in a student’s major department may not be used to satisfy the “General Education Electives” requirement described in section J below.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER 1983 categories listed below.

A. Communication 9 Semester Hours

Writing
A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading
A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Listening
A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues 3 Semester Hours

An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

C. Fine and Performing Arts: 3 Semester Hours

Art Appreciation
A course in the inherent styles and qualities of a particular art form, designed to provide familiarity with important masterpieces in an historical and stylistic context, an understanding of the processes involved in creating art, and an ability to recognize and appreciate excellence.

D. Foreign Language 6 Semester Hours

A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

Note: FOREIGN LANGUAGE PLACEMENT
As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

1. Students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
2. Students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
3. Any exception to the foregoing must be approved by the chair of the appropriate department.

A student who wishes to begin a new language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required. A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

1. By taking a ONE semester course above the intermediate level in the language tested;
2. By taking the ONE semester course STRUCTURE OF AMERICAN ENGLISH offered by the Linguistics Department.

E. Humanities 6 Semester Hours

1. World Literature or General Humanities: 6 Semester Hours

World Literature: A course in major works of world literature from Western and non-Western literary traditions. Taking the course will provide you with an expanded awareness of national and international cultural concerns, as well as a heightened sensitivity to literature.

General Humanities: An interdisciplinary course in General Humanities with emphasis on the great questions which have concerned and inspired artists and thinkers through the ages. The course will provide you with greater knowledge of the range of humanistic achievement in several areas of creative endeavor, and a deeper understanding of the values of different civilizations.

2. Philosophy/Religion: 3 Semester Hours

A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. Mathematics and Computer Science 5 Semester Hours

1. Mathematics: 3 Semester Hours

A course in mathematics as a tool of scientific investigation and
J. General Education Electives
6 Semester Hours

2. Computer Science: 2 Semester Hours
A course illustrating the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy.

G. Natural/Physical Science 7 Semester Hours
1. Laboratory Science: 4 Semester Hours

2. Non-Laboratory Science: 3 Semester Hours
Two courses in natural/physical science, at least one with a laboratory component. The courses are designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in each course.

H. Physical Education 1 Semester Hour
A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. Social Science 12 Semester Hours
1. American or European History: 3 Semester Hours
A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. Non-Western Cultural Perspectives: 3 Semester Hours
A course in the culture or civilization of indigenous peoples in Africa, Asia, or the Americas. Completing this requirement will provide important insights into the development of cultures not influenced in their formative stages by Western civilization.

3. Social Science (other than History): 6 Semester Hours
Each student will take one survey and one topic course.
   a. A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.
   b. A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. General Education Electives 6 Semester Hours
1. GER approved courses (other than Physical Education)
2. General introductory courses at the 100-level or 200-level in any department in the schools of Fine and Performing Arts, Humanities and Social Sciences, and Mathematical and Natural Sciences.
3. Courses in the areas of Creative Expression and/or Personal/Professional Issues

Creative Expression
An elective course in the creative process in a particular art form. A creative expression course will afford the opportunity to be personally involved in a creative activity and gain insights into both the technical difficulties and the creative choices which artists face. One should develop not only a lifelong appreciation of the arts, but also remain an active participant.

Individual and Professional Issues
An elective course in personal or professional development. Taking one of these courses should provide a better understanding of oneself, teach one how to interact with others more effectively, or gain a more developed perspective on career choices.

Note: General Education Electives must be taken outside the student’s major.

GER 1983

Bachelor of Fine Arts and Bachelor of Music
It is recommended that, whenever possible, a student complete the General Education Requirement during the first two years of study.

The same course may be used to satisfy both GER and major, certification, or multicultural awareness requirements, if it has been approved for these purposes.

See General Education Requirement, Appendix of Courses, in this section of the catalog for specific courses that fulfill requirements within the GER 1983 categories listed below.

A. Communication 9 Semester Hours
   Writing
   A course in composition which will help develop the ability to express oneself clearly, to convey information fully and concisely, to persuade others effectively in standard written English, and to write college-level papers, using standard library techniques and appropriate documentation and style.

Reading
A course in the reading of imaginative literature, stressing comprehension, interpretation, analysis, and appreciation; the course is designed to impart skills in critical reading of literature, and a greater understanding of how literature provides insight into human values, self-understanding, and social awareness.

Speaking/Learning
A course in the comprehension and expression of the spoken American-English language. As a result of this course, students will understand oral communication as a process; they will speak more effectively and persuasively, will be more creative, active, and critical listeners.

B. Contemporary Issues 3 Semester Hours
An interdisciplinary course on a major contemporary issue, with a problem-to-solution emphasis. The outcome of the course should be a recognition of the complex nature of such problems (including their moral and ethical implications), and an awareness of their possible realistic solutions.

C. Fine and Performing Arts:
   Art Appreciation (Not Applicable)
D. **Foreign Language** 6 Semester Hours
A two-course sequence in a foreign language, with emphasis on reading, speaking, and writing skills; increased cultural understanding. The skills, valuable in themselves, will enhance an understanding of the ways in which language reflects cultural values and traditions.

*Note: FOREIGN LANGUAGE PLACEMENT*
As part of the General Education Requirement, all students at Montclair State must take six credits of a foreign language. All entering students who wish to continue studying a foreign language studied in high school will take a placement test in that language. They will be placed according to the results of the test with the following restrictions:

1. Students who have had two years of a foreign language in high school may only use courses number 102, 103, 104, 112 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
2. Students who have had three or more years of a foreign language in high school may only use courses numbered 103, 104, 121 or higher to fulfill the GER foreign language requirement if they continue a language they studied in high school;
3. Any exception to the foregoing must be approved by the chair of the appropriate department.

A student who wishes to begin a NEW language and has had NO EXPOSURE to that language, will be exempt from the placement test. Six consecutive hours in the new language will be required.

A student who places above the intermediate level in the placement test may fulfill the GER foreign language requirement in one of two ways:

1. By taking a ONE semester course above the intermediate level in the language tested;
2. By taking the ONE semester course STRUCTURE OF AMERICAN ENGLISH offered by the Linguistics Department.

E. **Humanities** 3 Semester Hours

*Philosophy/Religion*
A course in philosophy or in religion which emphasizes a critical and creative response to specifically philosophical or religious ideas, arguments, and perspectives. The course will introduce great philosophical or religious thinkers and works, and will afford a broader perspective on the human condition.

F. **Mathematics and Computer Science** 2 Semester Hours

*Computer Science*
A course in the use of the computer as an indispensable problem-solving tool in modern society, stressing the development of computer literacy i.e., the ability to perform basic tasks in a standard computer language.

G. **Natural/Physical Science** 4 Semester Hours

*Laboratory Science*
A course in natural/physical science with a laboratory component. The course is designed to provide the ability to appreciate and utilize the scientific method. Selected findings in a particular field, the methods employed to obtain them, their historical and contemporary significance, and some of the applications will be emphasized in the course.

H. **Physical Education** 1 Semester Hour
A course in a particular sport or physical activity designed to improve skills in that activity, and to impart a better understanding of how regular exercise improves the quality of life.

I. **Social Science** 6 Semester Hours

1. **American or European History**: 3 Semester Hours
A course in American or in European History. The course will help students understand long-range historical developments in either the United States or Europe and, in a broader sense, will provide the perspectives on the influence of the past in shaping contemporary conditions.

2. **Social Science (other than History)**: 3 Semester Hours
A course in social sciences other than history.

   a. A social science survey course will introduce the assumptions, principles, and methodologies of a particular social science discipline.
   b. A social science topical course will focus on a particular theme, problem, or issue in the social sciences.

Students who complete this requirement will have a better grasp of the analytical techniques and methods of inquiry in the social and behavioral sciences, and of their importance in understanding ourselves, our society, and the world.

J. **General Education Electives** (Not Applicable)

1983 General Education Requirement (GER) Appendix of Courses
The following courses fulfill the General Education Requirement for full-time freshmen and part-time students who began their studies at Montclair State from Summer/Fall, 1983 through Spring 2002 and transfer students entering Montclair State from Fall 1985 through Spring 2005.

A. COMMUNICATION

**Writing**
*English*
ENWR 105 College Writing I: Intellectual Prose
HONP 100 Honors Seminar in Great Books and Ideas, Part I**
HONP 101 Honors Seminar in Great Books and Ideas, Part II**

**Reading**
*English*
ENWR 106 College Writing II: Writing and Literary Study
HONP 100 Honors Seminar in Great Books and Ideas, Part I**
HONP 101 Honors Seminar in Great Books and Ideas, Part II**

**Literacy and Educational Media**
READ 105 Reading: Communication Through Text

**Speaking/Listening**
*Communication Sciences and Disorders*
CSND 101 Fundamentals of Speech: Communication Requirement

* Meets Multicultural Awareness Requirement.
† Meets Human and Intercultural Relations Requirement for teacher certification.
** For honors program students only.
(1) Recommended for students with strong math/science background.
**Communication Studies**
SPCM 101 Fundamentals of Speech: Communication Requirement

**B. CONTEMPORARY ISSUES**

**Anthropology**
ANTH 110 Anthropology of Multicultural America*†
ANTH 201 Contemporary Practical Anthropology
ANTH 230 Anthropology of Conflict and Violence
ANTH 240 Human Variation*

**Classics and General Humanities**
GNHU 176 Italians and Italian-Americans: Comparative Studies

**Curriculum and Teaching**
INDS 249 Alternate Energy
ISED 101 Technology and Culture: Past, Present and Future

**Earth and Environmental Studies**
ENVR 109 The Human Environment
GEOS 221 Conservation of Natural Resources

**Educational Foundations**
EDFD 264 Gender Issues in Education*
EDFD 477 Ethnic/Racial Groups and the Schools in America

**English**
ENGL 275 Vietnam War and American Culture

**Health Professions, Physical Education, Recreation, and Leisure Studies**
HLTH 210 Consumer Health
HLTH 213 Perspectives on Drugs
PEMJ 227 Social Problems in Sports
PERL 208 Leisure and Recreation in Society

**Honors Program**
HONP 102 Honors Seminar in Twentieth Century Civilization**

**Human Ecology**
HECO 205 Women in Contemporary Society*
HEDN 260 Housing and Society
HEFM 344 Challenge of Aging
HEMG 270 Individual Management: Theories and Strategies
HENU 153 Dynamics of Food and Society

**Legal Studies**
LSLW 220 Conflict and Its Resolution*

**Linguistics**
LNGN 250 Language of Propaganda

**Literacy and Educational Media**
MEDI 355 Media in Intercultural Communication*†

**Management**
MGMT 363 Business and Society

**Mathematical Sciences**

**Philosophy and Religion**
RELG 225 Religion and Social Change

**Psychology**
PUCS 245 Introduction to Community Psychology
PSYC 102 Women’s Worlds*
PSYC 109 The Human Environment
PSYC 231 Psychology of Aggression*

**Sociology**
SOCH 113 Social Problems
SOCH 202 Racial and Ethnic Relations*†
SOCH 209 Sociology of Poverty and Welfare
SOCH 211 Sociology of Health and Illness
SOCH 212 Sociology of Technology

**Spanish/Italian**
ITAL 281 Contemporary Italian Cultural Studies

**Women’s Studies**
WMST 102 Women’s Worlds*

**C. FINE AND PERFORMING ARTS: ART APPRECIATION**

**Art and Design**
ARAN 190 Introduction to the Visual Arts
ARFI 281 Global Textiles
ARFM 280 Film as Art: Historical and Contemporary
ARGS 280 Art Forum
ARHS 105 Art in Western Civilization: Ancient and Medieval
ARHS 106 Art in Western Civilization: Renaissance to Modern
ARHS 108 Women in Art
ARHS 215 Ancient Art
ARHS 217 Selected Masterpieces of World Art
ARHS 230 History of the Print
ARHS 275 Afro-American Art*
ARHS 276 History of Textiles: Focus on the Americas
ARHS 327 History of Oriental Art
ARHS 328 Survey of Greek Art
ARHS 450 Modern Architecture

**Classics and General Humanities**
GNHU 208 Introduction to the Film
GNHU 288 Music and Art in French Civilization

**English**
ENFL 208 Introduction to the Film

**Honors Program**
HONP 201 Honors Seminar in the Foundations of the Creative Process**

**Music**
MUGN 100 Introduction to Music
MUGN 160 Introduction to Music in World Cultures
MUGN 209 Introduction to Jazz*
MUGN 236 The American Musical
MUGN 237 Appreciation of the Opera
MUGN 238 Orchestral Literature
MUGN 240 Music of the Romantic Period

**Theatre and Dance**
DNCE 105 Dance Appreciation
DNCE 315 Dance History: Primitive to 1850
DNCE 316 Dance History: 1850 to Present
THTR 100 Introduction to the Theatrical Medium
THTR 265 The Contemporary Theatre of Cultural Diversity*
THTR 280 The Power of Masks*

**D. FOREIGN LANGUAGE**

**Classics and General Humanities**
GREK 101 Beginning Greek I
GREK 112 Beginning Greek II
GREK 121 Intermediate Greek I
GREK 132 Intermediate Greek II
LATN 101 Beginning Latin I

* Meets Multicultural Awareness Requirement.
† Meets Human and Intercultural Relations Requirement for teacher certification.
** For honors program students only.

(1) Recommended for students with strong math/science background.
LATN 112 Beginning Latin II
LATN 121 Intermediate Latin I
LATN 132 Intermediate Latin II
LATN 201 Latin Literature of the Republic
LATN 202 Latin Literature of the Golden Age
LATN 203 Latin Literature of the Silver Age

French, German, and Russian
ARAB 101 Beginning Arabic I
ARAB 112 Beginning Arabic II
FREN 101 Beginning French I
FREN 112 Beginning French II
FREN 121 Intermediate French I
FREN 132 Intermediate French II
FREN 145 Introduction to French Culture
FREN 146 Readings in French Literature
GERM 101 Beginning German I
GERM 103 Beginning German I (Reading)
GERM 112 Beginning German II
GERM 114 Beginning German II (Reading)
GERM 121 Intermediate German I
GERM 123 Intermediate German I (Reading)
GERM 132 Intermediate German II
GERM 134 Intermediate German II (Reading)
GERM 151 Advanced German I
GERM 152 Advanced German II
GERM 251 Introduction to German Literature I
GERM 252 Introduction to German Literature II
GERM 351 German Civilization I
GERM 352 German Civilization II
RUSS 101 Beginning Russian I
RUSS 112 Beginning Russian II
RUSS 121 Intermediate Russian I
RUSS 132 Intermediate Russian II
RUSS 141 Advanced Russian I
RUSS 152 Advanced Russian II

Linguistics
AMSL 101 Beginning American Sign Language I
AMSL 102 Beginning American Sign Language II
ARBC 101 Beginning Arabic I
ARBC 112 Beginning Arabic II
CHIN 101 Beginning Chinese I
CHIN 102 Beginning Chinese II
CHIN 201 Intermediate Chinese I
CHIN 202 Intermediate Chinese II
JAPN 101 Beginning Japanese I
JAPN 102 Beginning Japanese II
JAPN 201 Intermediate Japanese I
JAPN 202 Intermediate Japanese II
LNGN 220 Structure of American English

Spanish/Italian
ITAL 101 Italian I
ITAL 102 Italian II
ITAL 103 Italian III
ITAL 104 Italian IV
ITAL 340 Studies in Italian Literature: Origins to 18th Century
ITAL 341 Studies in Italian Literature: 18th through 20th Centuries
ITAL 360 Italian Cultural History
PORT 101 Portuguese I
PORT 102 Portuguese II
PORT 103 Portuguese III
PORT 104 Portuguese IV
PORT 160 Masterpieces in Portuguese Literature
PORT 162 Masterpieces in Brazilian Literature
PORT 260 Luso-Brazilian Culture
SPAN 101 Spanish I
SPAN 102 Spanish II
SPAN 103 Spanish III
SPAN 104 Spanish IV
SPAN 120 Comprehensive Spanish I and II
SPAN 135 Spanish for Native Speakers
SPAN 140 Comprehensive Spanish III and IV
SPAN 145 Readings in Hispanic Literature
SPAN 280 Cuban Cultural History*
SPAN 361 Masterpieces of Spanish Literature I
SPAN 362 Masterpieces of Spanish Literature II
SPAN 363 Masterpieces of Spanish-American Literature I
SPAN 364 Masterpieces of Spanish-American Literature II
SPAN 374 Spanish Cultural History
SPAN 376 Spanish-American Cultural History*

E. HUMANITIES

E1. World Literature or General Humanities

Art and Design
ARHS 250 Modern Philosophies of Art

Classics and General Humanities
GNHU 115 Troy and the Trojan War
GNHU 201 General Humanities I (to 1400)
GNHU 202 General Humanities II (from 1400)
GNHU 211 Classicism and American Culture
GNHU 285 Mythology

English
ENLT 206 World Literature: The Coming of Age Theme
ENLT 207 World Literature: Voices of Tradition and Challenge

E2. Philosophy/Religion

Educational Foundations
EDFD 220 Philosophical Orientation to Education

Philosophy and Religion
PHIL 100 Introduction to Philosophy
PHIL 106 Logic
PHIL 210 Ethics
PHIL 212 Social and Political Philosophy
RELG 100 Religions of the World
RELG 101 Introduction to Religion
RELG 103 Religion and Moral Issues
RELG 218 Death, Dying, and Afterlife
RELG 221 Religion and Culture

F. MATHEMATICS AND COMPUTER SCIENCE

F1. Computer Science

Computer Science
CMPT 107 Computers and Society
CMPT 108 Computers and Programming
CMPT 109 Introduction to Computer Applications: Being Fluent with Information Technology

* Meets Multicultural Awareness Requirement.
† Meets Human and Intercultural Relations Requirement for teacher certification.
** For honors program students only.
(1) Recommended for students with strong math/science background.
CMPT 112 Honors Seminar in Computing**
CMPT 183 Foundations of Computer Science I (1)

Honors Program
HONP 112 Honors Seminar in Computing**

F2. Mathematics
Honors Program
HONP 104 Honors Seminar in Fractals and Infinity**

Mathematical Sciences
MATH 103 The Development of Mathematics
MATH 104 Fractals and Infinity
MATH 106 Contemporary Applied Math for Everyone
MATH 109 Statistics
MATH 116 Calculus A (1)
MATH 122 Calculus I (1)
MATH 221 Calculus II (1)

G. NATURAL/PHYSICAL SCIENCE

G1 or G2. Laboratory or Non-Laboratory Science

Anthropology
ANTH 101 Physical Anthropology

Biology and Molecular Biology
BIOL 100 Biological Sciences
BIOL 103 Basic Biology I
BIOL 104 Basic Biology II
BIOL 110 The Biology of Human Life

Chemistry and Biochemistry
CHEM 100 Introductory Chemistry
CHEM 120 General Chemistry I (1)

Earth and Environmental Studies

GEOS 107 Planet Earth
GEOS 112 Physical Geology
GEOS 114 Historical Geology
GEOS 125 Earth and the Environment
GEOS 257 Understanding Weather and Climate
(for students who take the course fall 2002 or thereafter)

Honors Program
HONP 210 Honors Seminar in Science I**

Mathematical Sciences

PHYS 100 Concepts in Science
PHYS 105 Science of Sound
PHYS 191 University Physics I (1)
PHYS 192 University Physics II (1)
PHYS 193 College Physics I (1)
PHYS 194 College Physics II (1)

G1. Laboratory Science Only

Biology and Molecular Biology

BIOL 121 The Plant Kingdom (1)

G2. Non-Laboratory Science Only

Biology and Molecular Biology

BIOL 107 Biology for Survival
BIOL 109 The Living World
BIOL 111 Emerging Diseases
BIOL 215 Human Heredity

Chemistry and Biochemistry

CHEM 102 Our Material World

Earth and Environmental Studies

EUGS 100 Principles of Geography
GEOS 108 Principles of Geology
GEOS 110 Natural Disasters
GEOS 162 General Oceanography

GEOS 157 Understanding Weather and Climate
(for students who took the course prior to fall 2002)

Health Professions, Physical Education, Recreation, and Leisure Studies

HLTH 240 Foundations of Environmental Health

Honors Program
HONP 211 Honors Seminar in Contemporary Issues I**

Human Ecology

HENU 182 Nutrition

Mathematical Sciences

PHYS 104 History of Science
PHYS 106 Science and Society
PHYS 180 Descriptive Astronomy

H. PHYSICAL EDUCATION

Health Professions, Physical Education, Recreation, and Leisure Studies

PEGN 200 Beginning Swimming
PEGN 201 Springboard Diving
PEGN 202 Badminton
PEGN 203 Golf
PEGN 240 Platform Tennis
PEGN 242 Racquetball
PEGN 250 Intermediate Swimming
PEGN 251 Aerobic Activities
PEGN 252 Archery
PEGN 253 Gymnastics
PEGN 257 Weight Training and Conditioning
PEGN 258 Beginning Tennis
PEGN 260 Beginning Riding
PEGN 261 Fencing
PEGN 262 Volleyball
PEGN 263 Jogging
PEGN 264 Soccer
PEGN 265 Figure Skating
PEGN 266 Skiing
PEGN 267 Advanced Swimming
PEGN 268 Bicycling
PEGN 270 Folk and Square Dance
PEGN 271 Social Dance
PEGN 272 Bowling
PEGN 274 SCUBA Diving
PEGN 275 Beginning Karate
PEGN 278 Yoga
PEGN 279 Climbing and Rappelling

I. SOCIAL SCIENCE

II. American or European History

Classics and General Humanities

GNHU 281 Greek Civilization
GNHU 282 Roman Civilization

Curriculum and Teaching

INDS 248 Historical Perspectives of American Industries-Field Study

* Meets Multicultural Awareness Requirement.
† Meets Human and Intercultural Relations Requirement for teacher certification.
** For honors program students only.
(1) Recommended for students with strong math/science background.
History
HIST 101 Connections: Years That Made History
HIST 103 Foundations of Western Civilization
HIST 105 Emergence of European Civilization 1500-1914
HIST 106 Contemporary Europe, 1914-Present
HIST 110 Introduction to American Civilization
HIST 111 Contemporary American Issues in Historical Perspective
HIST 117 History of the United States To 1876
HIST 118 History of the United States Since 1876
HIST 281 Greek Civilization
HIST 282 Roman Civilization

12. Non-Western Cultural Perspectives
Anthropology
ANTH 115 Cultures of the Middle East*
ANTH 120 Native North Americans*
ANTH 130 Cultures of Southeast Asia*
ANTH 140 Nonwestern Contributions to the Western World*
ANTH 150 Native Latin Americans*
ANTH 170 Peoples of Africa*
ANTH 312 Peasant Culture
ANTH 431 Development of Indian Character and Culture
ANTH 432 Development of Japanese Character and Culture

Art and Design
ARHS 220 Art in Non-Western Societies*

Classics and General Humanities
GNHU 289 Francophone Film*
GNHU 293 Russian Culture and Civilization

Earth and Environmental Studies
EUGS 101 Human Geography
EUGS 412 Geography of the Sub-Sahara Africa
EUGS 413 Geography of the Middle East

Economics and Finance
ECON 303 Economic Growth and Development

French, German, and Russian
FREN 289 Francophone Film*
FRIN 289 Francophone Film*
GRIN 293 Russian Culture and Civilization

History
HIST 108 Introduction to African Civilization*
HIST 109 Introduction to Islamic Civilization*
HIST 114 Early Latin American Civilization*
HIST 131 Introduction to Indian Civilization*
HIST 132 Introduction to Chinese Civilization*
HIST 223 Communist Revolution in China
HIST 431 Development of Indian Character and Culture
HIST 432 Development of Japanese Character and Culture

Latin American and Latino Studies
LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction*

Philosophy and Religion
RELG 210 Native American Religions*

Political Science
POLS 204 Government and Politics of Africa*
POLS 206 Government and Politics of China and Japan*

Sociology
SOCI 220 Sociology of Rich and Poor Nations

I3a. Social Science, Survey Courses
Anthropology
ANTH 100 Cultural Anthropology*
ANTH 102 Anthropological Linguistics
ANTH 103 Prehistoric Archaeology

Earth and Environmental Studies
EUGS 101 Human Geography

Economics and Finance
ECON 100 Introduction to Economics
ECON 101 Principles of Economics: Macro
ECON 102 Principles of Economics: Micro

Honors Program
HONP 202 Honors Seminar in Contemporary Issues II**

Legal Studies
LSIW 200 Introduction to Law

Linguistics
LNGN 210 Introduction to General Linguistics

Political Science
POLS 201 Comparative Politics

Psychology
PSYC 101 General Psychology I: Growth and Development
PSYC 246 Psychology of the Black Experience†

Sociology
SOCI 100 The Sociological Perspective

I3b. Social Science, Topic Courses
Anthropology
ANTH 202 Cultural Change and Modernization
ANTH 210 Urban Anthropology†
ANTH 220 American Folk Culture

Classics and General Humanities
GNHU 181 Introduction to Classical Archaeology

Earth and Environmental Studies
EUGS 102 World Geography
EUGS 206 Introduction to American Urban Studies*
EUGS 208 Land and Life in Latin America*
EUGS 213 Urban Geography†

Economics and Finance
ECON 215 The Economics of Social Problems†
ECON 403 Comparative Economic Systems

Educational Foundations
EDFD 440 Sociological Foundations of Education

Honors Program
HONP 103 Honors Seminar in Contemporary Civilization, Part II**

Human Ecology
HEFM 140 Family in Society
HEMG 231 The Family in the Economic System

Information and Decision Sciences
BSED 101 Contemporary Business

Linguistics
LNGN 230 Language in Society
LNGN 245 Language and Culture
LNGN 255 Language and Gender*

Political Science
POLS 100 Introduction to Politics
POLS 101 American Government and Politics

Psychology
PSYC 105 The Psychological Study of Social Issues
PSYC 200 Educational Psychology
PSYC 201 Child Psychology

* Meets Multicultural Awareness Requirement.
† Meets Human and Intercultural Relations Requirement for teacher certification.
** For honors program students only.
(1) Recommended for students with strong math/science background.
J. ELECTIVES
The following may be used to satisfy the General Education Elective Requirement:
1. GER approved courses (other than Physical Education)
2. General introductory courses at the 100-level or 200-level in any department within the College of Humanities and Social Sciences, College of Science and Mathematics and School of the Arts.
3. Courses in the areas of Creative Expression and/or Personal/Professional Issues.

Note: General Education Electives must be taken outside the student’s major.

J3. Creative Expression
Art and Design
ARAN 191 Visual Arts Studio
ARCE 200 Ceramics: Pottery and Sculpture, Beginning I
ARCE 210 Ceramics: Pottery and Sculpture, Beginning II
ARDW 200 Drawing, Beginning I
ARDW 201 Life Drawing, Beginning I
ARDW 210 Drawing, Beginning II
ARDW 211 Life Drawing, Beginning II
ARFI 200 Fibers and Fabrics, Beginning I
ARFI 201 Textile Design, Introduction
ARFI 210 Fibers and Fabrics, Beginning II
ARFI 222 Surface Design, Introduction A
ARFI 223 Leather, Introduction A
ARFI 232 Surface Design, Introduction B
ARFI 233 Leather, Introduction B
ARFM 200 Film Making, Beginning I
ARFM 210 Film Making, Beginning II
ARFM 220 Video with Computer Multi-Media, Introduction A
ARGS 261 Multi-Media, Beginning
ARGS 361 Multi-Media, Advanced
ARIL 261 Humor/Satirical Illustration for Publication
ARPA 200 Painting, Beginning I
ARPA 210 Painting, Beginning II
ARPA 260 Figurative Painting
ARPG 360 Intermediate Papermaking
ARPH 200 Photography Beginning I: Contemporary Art Form
ARPH 300 Photography Intermediate: Contemporary Art Form
ARPM 200 Printmaking, Beginning I
ARPM 260 Etching and Relief Printing
ARPM 261 Lithography
ARSC 200 Sculpture, Beginning I
ARSC 210 Sculpture, Beginning II
ARSC 220 Sculpture: Fabrication, Introduction A
ARSC 221 Sculpture: Clay, Introduction A
ARSC 222 Sculpture: Metal Casting, Introduction A
ARSC 223 Sculpture: Welding/Brazing, Introduction A
ARSC 224 Sculpture: Carving, Introduction A
ARSC 226 Sculpture: Modeling/Casting, Introduction A
ARSC 230 Sculpture: Fabrication, Introduction B
ARSC 231 Sculpture: Clay, Introduction B
ARSC 232 Sculpture: Metal Casting, Introduction B
ARSC 233 Sculpture: Welding/Brazing, Introduction B
ARSC 234 Sculpture: Carving, Introduction B
ARSC 236 Sculpture: Modeling/Casting, Introduction B
Communication Studies
SPCM 260 Oral Interpretation of Literature
Music
MUCP 150 Fundamentals of Music for the Non-Major
MUGN 250 Rap and Rock as Cultural Phenomena*
MUPR 100 Class Piano for the Non-Music Major
MUPR 103 Voice Class for the Non-Music Major
MUPR 105 Modern Guitar Workshop
Theatre and Dance
DNCE 141 Dance Technique: Modern I
DNCE 155 Dance Technique: Ballet I
THTR 105 Acting I
THTR 363 Reader’s Theatre

J3. Personal/Professional Issues
Art and Design
ARTH 280 Introduction to Art Therapy
ARTH 361 Group Art Therapy
Counseling, Human Development and Educational Leadership
COUN 330 Dynamics of One-to-One Communication
COUN 331 Group Dynamics
COUN 432 Personal Values
COUN 482 Career Consciousness
Health Professions, Physical Education, Recreation, and Leisure Studies
HLTH 101 Personal Health Issues
HLTH 220 Mental Health
HLTH 290 Human Sexuality
Human Ecology
HEFM 141 Interpersonal Relations
HEFM 320 Parenting Skills and Resources
HETX 122 Clothing and Culture: A Multidisciplinary Study*
Information and Decision Sciences
BSED 309 Personal Finance
Psychology
PSYC 103 Freshman Seminar
Sociology
SOCI 206 Individual and Society

* Meets Multicultural Awareness Requirement.
† Meets Human and Intercultural Relations Requirement for teacher certification.
** For honors program students only.
(1) Recommended for students with strong math/science background.
Multicultural Awareness Requirement

The purpose of the Multicultural Awareness Requirement is to ensure that all graduates are acquainted with the life, history, and contributions of Africans, African-Americans, Asian/Pacific Islanders, Latinos, Women and Native Americans. With the completion of this requirement, all graduates will have a fuller appreciation of our nation’s heritage and future directions.

The following is a listing of the courses which meet this requirement. Certain of the courses listed below may simultaneously be used to meet the General Education Requirements and/or the Human and Intercultural Relations Requirement for Teacher Education, if they are included on the approved list of these courses.

Anthropology
ANTH 100 Cultural Anthropology
ANTH 110 Anthropology of Multicultural America
ANTH 115 Cultures of the Middle East
ANTH 120 Native North Americans
ANTH 130 Cultures of Southeast Asia
ANTH 140 Nonwestern Contributions to the Western World
ANTH 150 Native Latin Americans
ANTH 170 Peoples of Africa
ANTH 210 Urban Anthropology
ANTH 240 Human Variation
ANTH 380 Anthropology of Women

Art and Design
ARHS 220 Art in Non-Western Societies
ARHS 275 Afro-American Art
ARHS 458 African Art: Sub-Saharan

Classics and General Humanities
GNHU 186 Myths and Images of Women in French Literature
GNHU 217 Reading Asian Cultures
GNHU 289 Francophone Film
GNHU 381 Africa in Classical Antiquity
GNHU 383 Women in Antiquity
GNHU 399 Development of Black Thought

Counseling, Human Development and Educational Leadership
COUN 481 The Legal Rights of Women

Curriculum and Teaching
CURR 412 Field Work in Urban Education
CURR 423 Teaching in Urban Schools

Earth and Environmental Studies
EUGS 206 Introduction to American Urban Studies
EUGS 208 Land and Life in Latin America
EUGS 213 Urban Geography
EUGS 301 Urban Field Studies
GELA 100 The Many Worlds of Latin America: Interdisciplinary Perspectives

Economics and Finance
ECON 215 The Economics of Social Problems
ECON 405 Economic Development of Sub-Saharan Africa

Educational Foundations
EDFD 264 Gender Issues in Education
EDFD 445 Puerto Rican Children in Mainland Schools

English
ENGL 238 Black Writers in the United States: A Survey
ENGL 294 Women Poets
ENLT 274 Twentieth Century Literature of Immigration
ENLT 366 African Myth and Literature
ENLT 367 Contemporary African Literature

French, German, and Russian
FREN 289 Francophone Film
FRIN 289 Francophone Film
GRIN 297 Women in Russian Literature

History
HIST 108 Introduction to African Civilization
HIST 109 Introduction to Islamic Civilization
HIST 114 Early Latin American Civilization
HIST 115 History of Puerto Rico
HIST 131 Introduction to Indian Civilization
HIST 132 Introduction to Chinese Civilization
HIST 133 Modern Chinese Civilization
HIST 205 Minorities in American History
HIST 215 Women in American History
HIST 217 History of Black Americans

Human Ecology
HECO 205 Women in Contemporary Society
HEFM 445 The Inner City Family
HENU 153 Dynamics of Food and Society
HETX 122 Clothing and Culture: A Multidisciplinary Study

Latin American and Latino Studies
LALS 201 Perspectives on Latin America
LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction

Legal Studies
LSLW 220 Conflict and Its Resolution

Linguistics
LNGN 255 Language and Gender

Literacy and Educational Media
MEDI 355 Media in Intercultural Communication

Management
MGMT 332 Minorities in Business

Music
MUGN 150 Influence of Afro-American Culture on Music
MUGN 209 Introduction to Jazz
MUGN 250 Rap and Rock as Cultural Phenomena
MUGN 309 The Art of Jazz

Philosophy and Religion
PHIL 237 Asian Philosophy
RELG 106 African Religious Traditions
RELG 108 African-American Religious Experience
RELG 210 Native American Religions
RELG 212 Asian Religions
RELG 213 Buddhism
RELG 267 Women in Religion

Political Science
POLS 204 Government and Politics of Africa
POLS 206 Government and Politics of China and Japan
POLS 214 Women in Politics
POLS 308 Ethnic Politics in America
POLS 312 Black Politics in America
POLS 404 Government and Politics of India and South Asia
POLS 405 Government and Politics of Latin America

Psychology
PSYC 102 Women’s Worlds
PSYC 231 Psychology of Aggression
PSYC 245 Mental Health Issues of Hispanic Americans
PSYC 246 Psychology of the Black Experience
PSYC 265 Psychology of Women

Sociology
SOCI 202 Racial and Ethnic Relations
SOCI 205 Black Family
SOCI 311 Urban Sociology
SOCI 315 Social Stratification
SOCI 430 Sociology of Gender
Writing Requirement

Written work is an important part of the Montclair State curriculum because writing offers students the opportunity to think deeply and searchingly about their subjects and because skill in written expression is crucial to the welfare of both individuals and society. Montclair State’s policy regarding written work includes the following requirements and provisions:

1. The document “Standards for Formal Written Work,” which is published in this catalog, outlines in a general way Montclair State’s expectations concerning the content, organization, and format of written assignments. These provisions may be supplemented by departmental writing policy statements or by those of individual instructors.

2. As part of the General Education Requirement, each student must satisfy the communication requirement in writing, usually by taking College Writing I: Intellectual Prose.

3. Writing is an important part of course requirements throughout the institution (minimum: 2,000 words per course). This work may take such forms as essay examinations, research papers, laboratory reports, critical essays, and so forth.

4. All students must satisfy a graduation requirement in writing. Each department must evaluate the writing ability of its majors by means of a required course (or choice of courses) with substantial writing assignments (formal and informal), opportunities for revision, instruction for writing in the discipline and instructor feedback on student writing. Normally this course should be taken in the junior year. Students with serious writing problems will be identified early in the semester, referred to the Writing Center and/or provided with individual tutoring by the instructor. Students may not graduate until they have passed the course. Students should consult their academic advisor or major department chairperson regarding this course and other aspects of the department’s writing policy. See list.

5. The Writing Center (Dickson Hall, Room 285, 973-655-7442) is available to all MSU students who are committed to developing themselves as writers. Whether students are encouraged to attend the Writing Center by an instructor, or choose it on their own, students will be provided with a tutor for weekly meetings. Writing Center tutors’ abilities to give concrete, encouraging, and regular feedback will enable writers to improve their capacity to develop and express complex ideas meaningfully and clearly. There is no charge for this service.

Courses Satisfying the Graduation Requirement in Writing are listed under each of the undergraduate majors and concentrations:

- **ALHE** Allied Health Services major ........................................... B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BAMG** Business Administration major,
  Management concentration .................................................. B.S.
- **BAMI** Business Administration major,
  Management Information Systems concentration............... B.S.
- **BAMK** Business Administration major,
  Marketing concentration .................................................. B.S.
- **BAAC** Business Administration major,
  Accounting concentration .................................................. B.S.
- **BAFNC** Business Administration major,
  Finance concentration .................................................. B.S.
- **BART** Athletic Training major ............................................. B.S.
- **BHMD** Biology major, Environmental Science concentration B.S.
- **BIOL** Biology major....................................................... B.S.
- **BIOG** Biology major (Teacher Education) ......................... B.S.
- **BIES** Biology major ................................................... B.S.
- **BION** Biology major, Environmental Science concentration B.S.
- **BRCA** Broadcasting major................................................ B.A.
- **BMGT** Business Administration major,
  Management concentration .................................................. B.S.
- **BDCS** Business Administration major,
  Marketing Research .................................................. B.S.
- **BFRM** Business Administration major,
  Marketing concentration .................................................. B.S.
- **BHRM** Business Administration major,
  Human Resource Management ............................................. B.S.
- **BGSM** Business Administration major,
  Graduate Management concentration.................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BIOL** Biology major....................................................... B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BHMD** Biology major, Environmental Science concentration B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BHMD** Biology major, Environmental Science concentration B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BHMD** Biology major, Environmental Science concentration B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BHMD** Biology major, Environmental Science concentration B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BHMD** Biology major, Environmental Science concentration B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
- **BICM** Biochemistry major .................................................. B.S.
CSSC Communication Studies major, Speech Communication concentration.............. B.A.
SPCM 301 Seminar in Communication Research
SPCM 374 Group Processes
SPCM 388 Seminar in Public Relations

CSOC Communication Studies major, Organizational Communication concentration...... B.A.
SPCM 301 Seminar in Communication Research
SPCM 374 Group Processes
SPCM 388 Seminar in Public Relations

CSPR Communication Studies major, Public Relations concentration.................... B.A.
SPCM 301 Seminar in Communication Research
SPCM 388 Seminar in Public Relations

CPSC Computer Science major ................................................. B.S.
CMPT 287 Data Structures, File Structures, and Algorithms

CPIN Computer Science major, Informatics concentration B.S. CMPT 287 Data Structures, File Structures, and Algorithms

CPPC Computer Science major, Professional Computing concentration................ B.S.
CMPT 287 Data Structures, File Structures, and Algorithms

DANC Dance major .......................................................... B.F.A.
DNCE 315 Dance History: Primitive to 1850
DNCE 316 Dance History: 1850 to Present

ECON Economics major ....................................................... B.A.
INFO 320 Administrative Business Communications

ECOE Economics major (Teacher Education, Social Studies) ......................... B.A.

ECBE Economics major, Business Economics concentration........................... B.A.
INFO 320 Administrative Business Communications

ENGL English major ........................................................... B.A.
ENGL 200 The Pursuits of English

ENED English major (Teacher Education)........................................ B.A.
ENGL 200 The Pursuits of English

ENCW English major, Creative Writing concentration................................. B.A.
ENGL 200 The Pursuits of English

FAAH Fine Arts major, Art History concentration........................................ B.A.
ARHS 105 Art in Western Civilization: Ancient and Medieval
ARHS 106 Art in Western Civilization: Renaissance to Modern

FAED Fine Arts major, Fine Arts Education concentration.......................... B.A.
ARHS 105 Art in Western Civilization: Ancient and Medieval
ARHS 106 Art in Western Civilization: Renaissance to Modern

FAST Fine Arts major, Studio concentration ........................................ B.A.
ARHS 105 Art in Western Civilization: Ancient and Medieval
ARHS 106 Art in Western Civilization: Renaissance to Modern

FASI Fine Arts/Studio major, Industrial Design concentration.......................... B.F.A.
ARHS 105 Art in Western Civilization: Ancient and Medieval
ARHS 106 Art in Western Civilization: Renaissance to Modern

FRED French major (Teacher Education)............................................ B.A.

FRCV French major, French Civilization concentration................................ B.A.
FREN 350 Translation I
FREN 351 Translation II
FREN 452 Translation III

FRTR French major, Translation concentration........................................ B.A.
FREN 350 Translation I
FREN 351 Translation II
FREN 452 Translation III

GHUM General Humanities major................................................. B.A.
GNHU 201 General Humanities I (to 1400)
GNHU 202 General Humanities II (from 1400)

GEOG Geography major ....................................................... B.A.
EUGS 309 Research Methods
EUGS 310 Quantitative Methods in Geography and Urban Studies

GEEN Geography major, Environmental Studies concentration........................ B.A.
EUGS 309 Research Methods

GEOS Geoscience major ....................................................... B.S.
GEOS 434 Stratigraphy
GEOS 444 Petrology

GEES Geoscience major, Environmental Science concentration........................ B.S.
EUGS 309 Research Methods

HIED History major (Teacher Education)............................................. B.A.
HIST 100 The Study of History

HLED Health Education major................................................... B.S.
HLTH 315 Public Health
HLTH 330 Foundations of Health Education

HLCH Health Education major, Community Health Services concentration........ B.S.
HLTH 315 Public Health
HLTH 330 Foundations of Health Education

HIST History major............................................................... B.A.
HIST 100 The Study of History

HOMG Hospitality Management major.............................................. B.S.
HOSP 230 Hospitality Management

HUCA Human Ecology major, Consumer Affairs concentration....................... B.A.
HEMG 270 Individual Management: Theories and Strategies

HUCL Human Ecology major, Family and Child Studies - Child Life Specialist concentration................ B.A.
HEMG 270 Individual Management: Theories and Strategies
HUPP  Human Ecology major, Family and Child Studies -
    Early Childhood concentration.........................B.A.
HEMG 270  Individual Management:
    Theories and Strategies
HUF E  Human Ecology major, Family and Child Studies -
    Early and Middle Childhood concentration ..........B.A.
HUPA  Human Ecology major, Family and Child Studies -
    Family Services concentration ......................B.A.
HUGR  Human Ecology major, Family and Child Studies -
    Gerontology concentration ............................B.A.
HEMG 270  Individual Management:
    Theories and Strategies
HUF S  Human Ecology major, Fashion Studies concentration..............B.A.
HEDG  Human Ecology major, Food and Nutrition - General concentration.....B.S.
HFM 270  Individual Management:
    Theories and Strategies
HUFM  Human Ecology major, Foodservice Management concentration.........B.S.
HEMG 270  Individual Management:
    Theories and Strategies
HUED  Human Ecology major, Home Economics Education concentration ....B.A.
HEMG 270  Individual Management:
    Theories and Strategies
ITAL  Italian major .............................................B.A.
ITAL  243 Italian Grammar and Composition II
ITTE  Italian (Teacher Education) ..........................B.A.
ITAL  243 Italian Grammar and Composition II
JUC A  Justice Studies major, Child Advocacy concentration ...............B.A.
JUST  200 Perspectives on Justice Studies I
JUJS  Justice Studies major, Justice Systems concentrationB.A.
JUST  200 Perspectives on Justice Studies I
JUPS  Justice Studies major, Paralegal Studies concentration.............B.A.
JUST  200 Perspectives on Justice Studies I
LATN  Latin major ..............................................B.A.
LATN  201 Latin Literature of the Republic
LATN  202 Latin Literature of the Golden Age
LATN  203 Latin Literature of the Silver Age
LATN  204 Latin Literature of the Middle Ages
LIED  Linguistics major (Teacher Education) ........................B.A.
LING  300 Syntax
LING  300 Syntax
MATH  Mathematics major ......................................B.S.
MATH  335 Linear Algebra
MTED  Mathematics major (Teacher Education) ................B.S.
MATH  335 Linear Algebra
MAAM  Mathematics major, Applied Mathematics concentration..........B.S.
MATH  335 Linear Algebra
MOBI  Molecular Biology major ................................B.S.
BIOL  380 Genetics
MUED  Music major, Music Education concentration...............B.A.
MUHS 307 Music History I
MUPF  Music major, Performance concentration  ............B.Mus.
MUHS 307 Music History I
MUTC  Music major, Theory/Composition concentrationB.Mus.
MUHS 307 Music History I
MUSC  Music (five-year combined undergraduate program
    culminating with the award of both the B.Mus. and
    B.A. degrees) ..........................................................B.Mus., B.A.
MUHS 307 Music History I
MUTH  Music Therapy major .....................................B.A.
MUHS 307 Music History I
PHIL  Philosophy major........................................B.A.
PHIL  331 History of Philosophy: Ancient Philosophy
PHIL  333 History of Philosophy: Modern Philosophy
PHED  Physical Education major ............................B.S.
HEM  100 Orientation to the Field of Health and
    Physical Education
HEM  352 Development and Philosophy of Health and
    Physical Education
PEAF  Physical Education major, Adult Fitness concentration...........B.S.
HEM  100 Orientation to the Field of Health and
    Physical Education
HEM  352 Development and Philosophy of Health and
    Physical Education
PHYS  Physics major ..............................................B.S.
PHYS  280 Astronomy
PHYS  310 Advanced Mechanics
PHYS  350 Optics
PHYS  462 Nuclear Physics
POED  Political Science major (Teacher Education-
    Social Studies) ......................................................B.A.
POLS  201 Comparative Politics
POL S  Political Science major .................................B.A.
POLS  201 Comparative Politics
PRAN  Practical Anthropology major (five-year combined
    undergraduate and graduate program culminating with
    the award of both the B.A. and M.A. degrees)B.A., M.A.
ANTH  102 Anthropological Linguistics
PSED  Psychology major (Teacher Education) ........................B.A.
PSYC  301 Experimental Psychology
PSCM  387 Methods in Evaluation Research
PSYC  Psychology major ...........................................B.A.
PSYC  301 Experimental Psychology
PSCM  387 Methods in Evaluation Research
RPCM  Recreation Professions major, Commercial Recreation and Tourism concentration B.S.
PERL  124 Introduction to Recreation, Tourism,
    Hospitality and Leisure Services
PERL  322 History and Philosophy of Leisure,
    Play and Recreation
RELS  Religious Studies major ............................................. B.A.
SIBC  Science Informatics major,
      Biochemistry concentration ...................................... B.S.
      BIOL 380 Genetics
      CMPT 287 Data Structures, File Structures and Algorithms
SICS  Science Informatics major,
      Computer Science concentration .............................. B.S.
      BIOL 380 Genetics
      CMPT 287 Data Structures, File Structures and Algorithms
SIMB  Science Informatics major,
      Molecular Biology concentration ............................ B.S.
      BIOL 380 Genetics
      CMPT 287 Data Structures, File Structures and Algorithms
SOCI  Sociology major ................................................... B.A.
      SOCI 201 Foundations of Sociological Inquiry
SOED  Sociology major (Teacher Education) ........................ B.A.
      SOCI 201 Foundations of Sociological Inquiry
SPAN  Spanish major ................................................... B.A.
      SPAN 242 Spanish Composition and Stylistics
      SPAN 350 Translating I
      SPAN 351 Translating II
      SPAN 422 Practicum in Translating
SPTE  Spanish major (Teacher Education) ............................ B.A.
      SPAN 242 Spanish Composition and Stylistics
SPTR  Spanish major, Translation concentration .................... B.A.
      SPAN 242 Spanish Composition and Stylistics
      SPAN 350 Translating I
      SPAN 351 Translating II
THAC  Theatre major, Acting concentration ....................... B.F.A.
      THTR 208 Play Script Interpretation
      THTR 210 Theatre History: Classical to Elizabethan
      THTR 211 Theatre History: Restoration to Modern
THPD  Theatre major, Production/Design concentration ....... B.F.A.
      THTR 208 Play Script Interpretation
      THTR 210 Theatre History: Classical to Elizabethan
      THTR 211 Theatre History: Restoration to Modern
THST  Theatre Studies major ........................................... B.A.
      THTR 208 Play Script Interpretation
      THTR 210 Theatre History: Classical to Elizabethan
      THTR 211 Theatre History: Restoration to Modern
WMST  Women’s Studies major ......................................... B.A.
      WMST 402 Seminar in Women’s Studies

Basic Skills Requirement

1. All students must demonstrate proficiencies in writing, reading, computation, elementary algebra, and speech which are compatible with the successful performance of college level work. The Montclair State University Basic Skills Requirement provides for the demonstration of such proficiencies through a program of skills assessment and academic development.

2. The Montclair State University Placement Test (MSUPT) is administered prior to the beginning of the fall and spring semesters. All students accepted to Montclair State will have their academic records reviewed, and students will be assigned a test date when appropriate. Registration will not be completed until the MSUPT test scores are in and placements are determined. Transfer students may be required to present verification of upper class standing to the Academic Needs Assessment prior to registering for classes.

3. The Basic Skills Requirement in reading, writing, computation and elementary algebra may be fulfilled by achieving satisfactory scores on the appropriate sections of the MSUPT.

4. Students receiving low scores on the various sections of the MSUPT may have credits added to the number of semester hours required to graduate. Developmental courses in reading, writing, computation and elementary algebra are required for students receiving unsatisfactory scores on one or more sections of the MSUPT.

5. Students are expected to take required developmental courses during their first semester at Montclair State. Full-time students must satisfactorily complete all required courses within the first year of enrollment. Part-time students must enroll in at least one required course during their first semester until all developmental courses are completed; all requirements must be completed within the first two years of enrollment. No student may withdraw from developmental courses, and any student will be dismissed from Montclair State who does not satisfactorily complete the required developmental course(s).

6. Since the Mathematical Sciences and the Computer Science Department have Basic Skills prerequisites for all of its courses, students will not receive credit for any mathematics course if the Basic Skills Requirement in mathematics has not been satisfied.

7. The Montclair State University Basic Skills Requirement in speech must be fulfilled within a student’s first 58 semester hour credits by: A. Satisfactory completion of the Speech Communication Requirement.

      OR

      B. Successful Speech Placement/Waiver evaluation:
         Application for this examination may be made in early October or early February at the Department of Communication Studies. Passing the examination does not grant semester hour credit, only satisfaction of the Speech requirement.

8. All questions about Basic Skills should be addressed to the Center for Academic Development and Assessment, Academic Success Center, Morehead Hall, Room 139, telephone 973-655-4476.
### LEGEND OF ALPHA COURSE CODES

**College of Education and Human Services**

**Counseling, Human Development and Educational Leadership**
- Counseling, Human Development and Educational Leadership: COUN

**Curriculum and Teaching**
- Curriculum and Teaching: CURR
- Educational Media: MEDI
- Industrial Studies: ISED
- Industrial Studies/Technology Education: INDs
- Industrial Studies/Vocational: ISVC

**Early Childhood, Elementary, and Literacy Education**
- Early Childhood Elementary Education: ECEL
- Reading: READ

**Educational Foundations**
- Educational Foundations: EDFD
- Educational Research: ELRS

**Human Ecology**
- Human Ecology: HECO
- Human Ecology/Design: HEDE
- Human Ecology/Education: HEED
- Human Ecology/Family: HEFM
- Human Ecology/Foods: HETF
- Human Ecology/Management: HEMG
- Human Ecology/Nutrition: HENU
- Human Ecology/Textile: HETX

**Health Professions, Physical Education, Recreation, & Leisure Studies**
- Athletic Training: ATTR
- Health Professions: HLTH
- Health and Physical Education: HPEM
- Hospitality Management: HOSP
- Physical Education/Major: PEMJ
- Physical Education/Non-major: PEGN
- Recreation: PERL

**College of Humanities and Social Sciences**

**Anthropology**
- Anthropology: ANTH
- Anthropology/Practical: PRAN

**Classics and General Humanities**
- Classics/Greek: GREK
- Classics/Latin: LATN
- General Humanities: GNHU

**Communication Sciences and Disorders**
- Communication Sciences and Disorders: CSND

**English**
- English: ENGL
- English/Writing: ENWR
- English/Literature: ENLT
- English/Interdisciplinary: ENID
- English/Communication Sciences and Disorders: CSND

**French, German, and Russian**
- Arabic: ARAB
- French: FREN
- French/Interdisciplinary: FRIN
- German: GERM
- German/Interdisciplinary: GRIN
- Russian: RUSS

**History**
- History: HIST

**Legal Studies**
- Legal Studies/Law: LSLW
- Legal Studies/Paralegal: LSPA
- Legal Studies/Paralegal: LSPR

**Linguistics**
- Arabic: ARBC
- Linguistics: LNSD
- Linguistics/American Sign Language: AMSL
- Linguistics/Chinese: CHIN
- Linguistics/ESOL: ESOL
- Linguistics/Japanese: JAPN
- Linguistics/ESOL: ESOL

**Philosophy and Religion**
- Philosophy: PHIL
- Religion: RELG

**Political Science**
- Political Science: POLS

**Psychology**
- Psychology: PSYC
- Psychology/Community: PCOM

**Sociology**
- Sociology: SOCI

**Spanish/Italian**
- Spanish: SPAN
- Spanish/Italian Interdisciplinary: SPIN
- Italian: ITAL
- Portuguese: PORT

**Women's Studies**
- Women's Studies: WMST
College of Science and Mathematics

Biology and Molecular Biology
- Biology
- Biology/Cell Culture
- Biology/Marine Sciences

Chemistry and Biochemistry
- Chemistry

Computer Science

Earth and Environmental Studies
- Environmental Studies
- Urban and Geographic Studies
- Geography/Latin American
- Geoscience
- Physics/Geoscience - Marine Science

Mathemtical Sciences
- Mathematics
- Physics/Geoscience
- Physics/Geoscience Education
- Statistics

New Jersey School of Conservation
- Conservation/Field Studies

Science Informatics Interdisciplinary Major

School of the Arts

Art and Design
- Fine Arts/Fibers
- Fine Arts/Film Making
- Fine Arts/Graphic Design
- Fine Arts/General Studies
- Fine Arts/Museum Studies
- Fine Arts/Art History
- Fine Arts/Industrial Design
- Fine Arts/Illustration
- Fine Arts/Metalwork and Jewelry
- Fine Arts/Painting
- Fine Arts/Performance Art
- Fine Arts/Papermaking
- Fine Arts/Photography
- Fine Arts/Printmaking
- Fine Arts/Sculpture
- Fine Arts/Art Studio
- Fine Arts/Art Therapy

Broadcasting
- Speech and Theatre/Broadcasting

Communication Studies
- Speech Communication

Music
- Music/Applied
- Music/Education
- Music/General
- Music/History
- Music/Language
- Music/Management
- Music/Performance
- Music/Secondary Instrument
- Music/Technology
- Music/Theory/Composition
- Music/Therapy

Theatre and Dance
- Dance
- Theatre

School of Business

Accounting, Law, and Taxation
- Accounting
- Business Law

Economics and Finance
- Economics
- Finance

Information and Decision Sciences
- Business Education
- Information and Decision Sciences

Management
- Management

Marketing
- International Marketing
- Marketing
- Marketing/Business
- Retail Merchandising and Management

Interdisciplinary Programs
- African-American Studies Minor
- Interdisciplinary Gen Ed 2002
- International Studies Minor
- Justice Studies Major
- Latin American and Latino Studies Minor
- Women’s Studies Major and Minor

Special Programs
- Cooperative Education
- Honors Program
ACCOUNTING, LAW AND TAXATION

SCHOOL OF BUSINESS
Chairperson: Frank J. Aquilino

Increased government regulation and business expansion demand added expertise of today’s accountant. The department’s accounting program at the undergraduate and graduate level prepares students for careers in public and private accounting.

The Certified Public Accountant (CPA) is concerned with public accounting. CPA’s render a variety of services for their clients: conducting independent audits and providing accounting, tax, and management advisory services.

In the private sector, graduates are prepared primarily for industrial accounting leadership positions. The program emphasizes the structure, design, and analysis of accounting systems in the financial reporting and management decision processes.

The accounting courses integrate the study of theory and current practice with research and computer applications.

A Bachelor of Science degree is offered in Business Administration with a concentration in Accounting. The program eligibility requirements for this program are listed in this catalog under “Business Administration”. Please refer to the index for the page number.

Business Administration Major

Required Core, Business Administration (33 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 201</td>
<td>Fundamentals of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 202</td>
<td>Fundamentals of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BSLW 264</td>
<td>Legal, Ethical and Global Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FINC 321</td>
<td>Fundamentals of Finance</td>
<td>3</td>
</tr>
<tr>
<td>INFO 270</td>
<td>Statistics for Business</td>
<td>3</td>
</tr>
<tr>
<td>INFO 371</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>INFO 375</td>
<td>Operations Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 231</td>
<td>Management Processes</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 439</td>
<td>Business Policy</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 240</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 346</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Collateral Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 114</td>
<td>Mathematics for Business II: Calculus</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Economics: Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>INFO 273</td>
<td>Introduction to Computers in Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Accounting Concentration

Required Accounting Concentration Courses (15 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 301</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 302</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 303</td>
<td>Contemporary Issues in Intermediate Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 307</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 401</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Electives within the Major (12 s.h.)

Select one from the following: (3 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 305</td>
<td>Internal Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 400</td>
<td>Auditing Theory and Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two from the following: (6 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSLW 265</td>
<td>Business Contracts Law</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 305</td>
<td>Individual and Business Taxes</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 309</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 402</td>
<td>Accounting for Government and Not-For-Profit Entities</td>
<td>3</td>
</tr>
<tr>
<td>FINC 322</td>
<td>Capital Budgeting Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 425</td>
<td>Working Capital Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: In order to sit for the CPA examination in The State of New Jersey a candidate must have earned a minimum of 150 credit hours. The BS in Business Administration, concentration in Accounting, is designed to allow students to pursue careers in accounting, but is not sufficient to satisfy the 150 hour requirement. Montclair State’s M.B.A. program with a concentration in Accounting more than meets the 150 credit hour requirement. Course offerings at the graduate level are designed to provide students with the discipline specific knowledge and technical information that appears on the CPA examination. Students completing the undergraduate program must apply and meet the minimum entry requirements for the M.B.A. Program.

Courses of Instruction

ACCT 201
FUNDAMENTALS OF FINANCIAL ACCOUNTING 3.0
This is an introductory course in financial accounting from a user's perspective. The theoretical foundation and basic accounting terminology are addressed. The basic financial statements consisting of the balance sheet, income statement, statement of stockholder's equity and the statement of cash flows are presented and discussed. The course should enable students to critically analyze accounting information from an investor's or creditor's perspective.

ACCT 301
INTERMEDIATE ACCOUNTING I 3.0
This course builds on material presented in Fundamental of Financial Accounting. Students acquire an improved understanding of the composition and significance of various segments of income statements and balance sheet, particularly related to current assets and various income statement revenue and expense items leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate financial statements.

ACCT 302
INTERMEDIATE ACCOUNTING II 3.0
Continuation of Intermediate Accounting I. Students acquire an improved understanding of the composition and significance of various segments of the income statement and the balance sheet, particularly non-current assets, liabilities and owners' equity leading to an improved understanding of the preparation of various aspects of the financial statements as well as an enhancement of their ability to critically evaluate accounting.

ACCT 304
CONTEMPORARY ISSUES IN INTERMEDIATE ACCOUNTING 3.0
This course provides an in-depth discussion and analysis of traditional intermediate financial accounting topics as well as recent developments in accounting valuation and reporting practices. The course builds on topics discussed in Intermediate Accounting I and II leading to an improved understanding of the preparation of various aspects of the financial statements as well as enhancement of their ability to critically evaluate financial reporting. Meets the University Writing Requirement for BAAC majors.

ACCT 302, Business Administration majors only.

Prerequisite: ACCT 301, Business Administration majors only.

ACCT 302, Business Administration majors only.

Prerequisite: ACCT 302.

ACCT 302, Business Administration majors only.

Prerequisite: ACCT 302.
ACCT 305  
INDIVIDUAL AND BUSINESS TAXES 3.0  
The purpose of this course is to introduce students to a broad range of tax concepts and types of taxpayers to emphasize the role of taxation in the business decision-making process. Coverage includes on a broad basis, personal and corporate taxation.  
Prerequisite: ACCT 202.

ACCT 306  
INTERNAL AUDITING 3.0  
This course reviews the internal auditing process. Emphasis is placed on the operational auditing as part of the internal auditing function, while interrelating the financial dimension into the total auditing process.  
Prerequisite: ACCT 301 and 307, Business Administration majors only.

ACCT 307  
COST ACCOUNTING 3.0  
This course examines the development of theory, concepts and practices of providing cost information for use within the organization. Topics discussed include cost concepts, behavior and estimation, various product costing methods, cost allocation, linear programming, inventory costing and management, quality and time as competitive weapons as well as transfer pricing.  
Prerequisite: ACCT 202.

ACCT 309  
ACCOUNTING INFORMATION SYSTEMS 3.0  
Accounting information system development will be studied with emphasis on systems analysis and design, form design, internal controls and proper documentation. The course will expand on several typical AIS application systems including the revenue cycle, the procurement cycle and others. May be repeated once for a total of six credits.  
Prerequisite: ACCT 301 and INFO 273; Business Administration majors only.

ACCT 400  
AUDITING THEORY AND PRACTICE 3.0  
The focus of this course is on various types of audits performed by an accountant in public practice. Specifically the requirements for audits, compilations, reviews and other types of engagements are addressed. The role of the auditor and related professional responsibilities are discussed. The content of this course is structured for individuals who wish to enter the public accounting profession. May be repeated once for a total of six credits.  
Prerequisites: ACCT 302; Business Administration majors only.

ACCT 401  
ADVANCED ACCOUNTING 3.0  
Advanced Accounting is an upper level course in the undergraduate accounting curriculum. It is an in-depth study of accounting problems for affiliated business enterprises and multinational corporations. It deals with business combinations of two or more business entities. It involves combination and consolidation of financial statements for multi-affiliated corporations. It concerns intercompany transactions between parent and subsidiary companies. The aim is to measure the operating results and financial position for these complex operations. The course further investigates the accounting problems associated with foreign transactions, translation of foreign currencies and hedging activities of an international business enterprise. A high level of knowledge and sophistication in accounting techniques is required for understanding the course material. Relevant pronouncements of the authoritative accounting profession are greatly emphasized.  
Prerequisite: ACCT 302, Business Administration majors only.  
Corequisite: ACCT 304.

ACCT 402  
ACCOUNTING FOR GOVERNMENT AND NOT-FOR-PROFIT ENTITIES 3.0  
This is an upper-level accounting course dealing with Government and Not-for-Profit Accounting Systems. It focuses on the principles in the measurement of assets, liabilities, fund balance, revenue and expenditure for a governmental unit or not-for-profit entity. May be repeated once for a maximum of six credits.  
Prerequisites: ACCT 302; Business Administration majors only.
ANTHROPOLOGY MAJOR

The general anthropology major, for which a B.A. degree is awarded, prepares students for advanced work that can lead to college teaching, museum curatoring, work, and/or research, as well as careers in non-academic settings. For students interested in a strong liberal arts background, the general major is an excellent program which can be adapted to varied professional and career goals. An internship provides opportunities for students to test their knowledge in actual work settings. Additionally, the program can be adapted to meet certification requirements for teaching social studies in New Jersey secondary schools.

Semester Hours

Required Courses .......................................................... 21
ANTH 100 Cultural Anthropology .................................................. 3
ANTH 101 Physical Anthropology .................................................. 3
ANTH 102 Anthropological Linguistics ............................................ 3
ANTH 103 Prehistoric Archaeology .................................................. 3
ANTH 211 Contemporary Practical Anthropology ......................... 3
ANTH 300 Methods in Anthropological Research and Practice ........ 3
ANTH 401 Seminar in Anthropological Theory .............................. 3

Cross Cultural Electives ......................................................... 9
ANTH 110 Anthropology of Multicultural America .......................... 3
ANTH 115 Cultures of the Middle East .......................................... 3
ANTH 120 Native North Americans ................................................. 3
ANTH 140 Nonwestern Contributions to the Western World ............ 3
ANTH 150 Native Latin Americans ................................................. 3
ANTH 170 Peoples of Africa ........................................................ 3
ANTH 220 American Folk Culture ............................................... 3
ANTH 270 Archaeology of Ancient Middle America ....................... 3

Theory and Methods Electives ............................................... 9
ANTH 210 Urban Anthropology .................................................. 3
ANTH 230 Anthropology of Conflict and Violence .......................... 3
ANTH 240 Human Variation ........................................................ 3
ANTH 330 Anthropology of Food and Nutrition .............................. 3
ANTH 340 Anthropology of Work .................................................. 3
ANTH 350 Anthropology of Aging and the Aged .............................. 3
ANTH 360 Cultural Ecology .......................................................... 3
ANTH 370 Experimental Archaeology ............................................ 3
ANTH 380 Anthropology of Women ............................................... 3
ANTH 405 Psychological Anthropology ........................................... 3
ANTH 414 Selected Issues in Anthropology ....................................... 3
ANTH 425 Anthropology of Religion .............................................. 3
ANTH 440 Medical Anthropology .................................................. 3
ANTH 460 Field Methods: Visual Anthropology .............................. 3
ANTH 470 Archaeological Field Methods ....................................... 3
ANTH 480 Independent Research in Anthropology ........................... 3

Electives ........................................................................ 15
ANTH 170 Peoples of Africa ........................................................ 3
ANTH 201 Contemporary Practical Anthropology ............................ 3
ANTH 210 Urban Anthropology .................................................. 3
ANTH 220 American Folk Culture ............................................... 3
ANTH 230 Anthropology of Conflict and Violence ......................... 3
ANTH 240 Human Variation ........................................................ 3
ANTH 270 Archaeology of Ancient Middle America ....................... 3
ANTH 300 Methods in Anthropological Research and Practice ........ 3
ANTH 330 Anthropology of Food and Nutrition .............................. 3
ANTH 340 Anthropology of Work .................................................. 3
ANTH 350 Anthropology of Aging and the Aged .............................. 3
ANTH 360 Cultural Ecology .......................................................... 3
ANTH 370 Experimental Archaeology ............................................ 3
ANTH 380 Anthropology of Women ............................................... 3
ANTH 401 Seminar in Anthropological Theory .............................. 3
ANTH 405 Psychological Anthropology ........................................... 3
ANTH 425 Anthropology of Religion .............................................. 3
ANTH 440 Medical Anthropology .................................................. 3
ANTH 450 Field Methods in Linguistics ........................................... 3
ANTH 460 Field Methods: Visual Anthropology .............................. 3
ANTH 470 Archaeological Field Methods ....................................... 3

Internship ....................................................................... 3-6
The internship is over and beyond the minimum 39 semester hours required by the major.
ANTH 490 Internship in Anthropology ........................................... 3-6
Courses of Instruction

ANTH 100
CULTURAL ANTHROPOLOGY 3.0
Introduction to the basic concepts, goals, and research strategies of anthropology, the nature of culture, its role in human experience, and its universality. Presentation of cross-cultural examples and conceptual frameworks for understanding and explaining cultural diversity. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. Meets the Multicultural Awareness Requirement.

ANTH 101
PHYSICAL ANTHROPOLOGY 3.0
The biological basis of human evolution including surveys of human paleontology, primatology and human races. The relationship of culture to human development; lectures, field trips and the use of fossil and audio-visual materials. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science. Prerequisite: Special fee.

ANTH 102
ANTHROPOLOGICAL LINGUISTICS 3.0
Different linguistic systems will be analyzed through the use of informants (speakers) of non-Indo-European languages, and through published data from a variety of Amerindian and African languages. The relationship of linguistic structure and theory to cultural systems will be emphasized in individual student field experience and in readings and lectures. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course. Meets the University Writing Requirement for ANED, ANTH, PRAN majors.

ANTH 103
PREHISTORIC ARCHAEOLOGY 3.0
The development, method and theory of anthropological archaeology, analysis and interpretation of prehistoric cultural data by means of audio-visual, field and participatory involvement. Meets the 1983 General Education Requirement (GER)—Social Science, Survey Course.

ANTH 110
ANTHROPOLOGY OF MULTICULTURAL AMERICA 3.0

ANTH 115
CULTURES OF THE MIDDLE EAST 3.0
The Middle East culture area in anthropological perspective. Emphasis is placed on the nature of different interlocking cultural systems which are adaptations to environmental stress in the Middle East. The concepts of culture and society will be explored in the context of course materials. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

ANTH 120
NATIVE NORTH AMERICANS 3.0
Amerindian cultures north of Mexico; representative tribes, their world views, and their adaptations to the environment, each other and European contact. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

ANTH 140
NONWESTERN CONTRIBUTIONS TO THE WESTERN WORLD 3.0
Survey of scientific, medical, artistic, and other contributions from cultures outside the mainstream of European, North American, and Judeo-Christian history that influence our lives in the West today. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

ANTH 150
NATIVE LATIN AMERICANS 3.0
Study of indigenous peoples of Latin America. Surveys earliest evidence of human occupation of Middle and South America and the Caribbean; diverse origins of food production; intellectual achievements; political organization; material contributions to world culture; and aspects of early European contact and conquest. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

ANTH 170
PEOPLES OF AFRICA 3.0

ANTH 201
CONTEMPORARY PRACTICAL ANTHROPOLOGY 3.0
The course emphasizes the uses of anthropology in contemporary societies by stressing the skills and knowledge needed for the development of practical solutions to current problems. Special attention is placed on: policy decision-making, community development, cultural resource management, advocacy and social impact assessment. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

ANTH 210
URBAN ANTHROPOLOGY 3.0
The dynamics of acculturation; relationships between urban subcultures and the broader urban community; values, personality, behaviors and other aspects of the adjustment of people whose lifestyle sets them apart from the dominant society. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

ANTH 220
AMERICAN FOLK CULTURE 3.0
This course introduces students to the anthropological literature concerning American oral (folklore) and material (folklife) folk culture. Students are exposed to the different folklore traditions as well as analytical theory concerning them, in the first half of the course. The second half is devoted to the presentation and analysis of material folk culture. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

ANTH 230
ANTHROPOLOGY OF CONFLICT AND VIOLENCE 3.0
Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Meets Gen Ed 2002—Social Science, Social Science. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

ANTH 240
HUMAN VARIATION 3.0
The study of the origins, adaptations and evolution of races from a physical anthropology perspective. Misconceptions about race, intelligence and racism as well as theories and explanations of human variations will be covered. Meets the 1983 General Education Requirement (GER)—Contemporary Issues. Meets the Multicultural Awareness Requirement.

ANTH 270
ARCHAEOLOGY OF ANCIENT MIDDLE AMERICA 3.0
The archaeology of ancient cultures of Middle America. Consists of two major units (1) northern Mesoamerica, the Gulf Coast, Oaxaca and Central Mexican Aztecs (2) ancient Maya of Mexico and Central America.
ANTH 300
METHODS IN ANTHROPOLOGICAL RESEARCH AND PRACTICE 3.0
An overview of nonstatistical research methods commonly used in anthropology, including participant observation, interviewing, questionnaire design, cultural domain analysis, ethnographic decision tree analysis, and network analysis. Emphasis on practical experience in applying these methods to research and applied problems.

ANTH 330
THE ANTHROPOLOGY OF FOOD AND NUTRITION 3.0
Cultural effects on diet, nutritional status, disease, and ecology; anthropological contributions to the study of food and food habits.

ANTH 340
ANTHROPOLOGY OF WORK 3.0
This course provides students with an understanding of human work across cultural space and historical time. Various subsistence strategies (e.g. foraging, pastoralism, agriculture and industrial) are covered. Connections among forms of work, the social relations of work, the meanings of work, and social stratification (e.g. class, gender, race/ethnicity, age) are discussed.

ANTH 360
CULTURAL ECOLOGY 3.0
The relationships between culture and the bio-physical environment, as well as the cultural environment. The emphasis will be on primitive and non-Western cultures.

ANTH 370
EXPERIMENTAL ARCHAEOLOGY 3.0
The course will cover the manufacture, use, preservation, analysis and cataloging of prehistoric artifacts made of stone, bone, and wood. 
Prerequisites: ANTH 103.

ANTH 380
ANTHROPOLOGY OF WOMEN 3.0
The anthropological literature on women and women's issues in our own and pre-industrial, non-capitalist societies. The connections between environment technology and gender roles are investigated, and the kind of power women have in different societies over their own lives and those of others is assessed. The place of women in each society's symbolic system is also analyzed. Meets the Multicultural Awareness Requirement.

ANTH 401
SEMINAR IN ANTHROPOLOGICAL THEORY 3.0
The development of anthropological theory during the past 100 years. Various subdisciplines of cultural and social anthropology are explored and applied to similar bodies of data.

ANTH 425
ANTHROPOLOGY OF RELIGION 3.0
Patterns of religious beliefs and behaviors which relate to sacred, supernatural entities. Origin theories, divination, witchcraft, mythology and the relationship of religious movements to other aspects of culture.

ANTH 440
MEDICAL ANTHROPOLOGY 3.0
Examination of cross-cultural concepts of illness, health and medical care. Ecological and historical aspects of diseases in human evolution are also studied.
Prerequisite: ANTH 101.

ANTH 460
FIELD METHODS: VISUAL ANTHROPOLOGY 3.0
This course is designed to provide students with opportunities to explore potential uses of photography in anthropological research and practice. Each student is guided in the development of a project which demonstrates the significance of recording and interpreting visual data in the study of selected aspects of culture, social interaction patterns, and/or individual behavior. As the focus of this experience is on the collection and interpretation of visual data, not the technical aspects of photography, only basic skills and knowledge about effective camera usage are required.
Prerequisite: Open to non-majors with the instructor's permission.
ART AND DESIGN

SCHOOL OF THE ARTS
Chairperson: Daryl Joseph Moore

The department of Art and Design offers a Bachelor of Arts (B.A.) with concentrations in Studio, Art History and Fine Arts Education as well as a Bachelor of Fine Arts (B.F.A.) degree and a concentration in Industrial Design.

The B.F.A. degree program is a pre-professional program with specialization in ceramics, drawing, fibers and textiles, film and video, graphic design, illustration, jewelry, multi-media, painting, papermaking, photography, printmaking and sculpture. Courses in each specialization give intensive pre-professional experience preparing students for professional involvement in the visual arts.

The B.A. is a liberal arts degree with three concentrations: Studio, Art History and Art Education. The program in Studio is for students interested in liberal arts with a rich studio experience specializing in the same areas as those listed above in the B.F.A. program. The Art History program is for students interested in the historical development of art. The program in Fine Arts Education leads to certification to teach in public schools and is intended for students who want to teach art in schools, museums and community centers.

All students, except those interested in the Art History Program, must successfully complete a portfolio review for admission, in addition to meeting the Montclair State requirements. B.F.A. candidates must have an additional portfolio review once accepted to the Department.

Fine Arts Studio Major (BFA)
A pre-professional program for students who seek preparation in the visual arts.

Required Courses

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<th>Course</th>
<th>Semester Hours</th>
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*Up to 12 semester hours of electives other than studio may be applied if the student receives the prior approval of the B.F.A. Coordinator.

Industrial Design Concentration

Required Core Courses

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Additional Art History Courses

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Additional Studio Requirements

Art Studio Courses:

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Fine Arts Major (BA)

Studio Concentration
A program for students who want studio experience as part of their liberal arts education.

Required Courses

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*Up to 12 semester hours of electives other than studio may be applied if the student receives the prior approval of the B.F.A. Coordinator.

Art History Concentration
A liberal arts program for students whose interest is in the study of the history and development of the art of humankind in all its variations from antiquity to the twentieth century.

Required Courses

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<td>ARHS 455</td>
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2. Medieval Art History (select one course from the following): ..............3
   ARHS 455 Selected Problems in Art History (20th century topic only) 3
3. Renaissance Art History (select one course from the following): ........3
   ARHS 216 Renaissance Art in Italy: The Fifteenth Century 3
   ARHS 455 Selected Problems in Art History (renaissance topic only) 3
4. Baroque Art History (select one course from the following): .............3
   ARHS 325 Seventeenth and Eighteenth Century Art 3
   ARHS 455 Selected Problems in Art History (17th or 18th century topic only) 3
5. 19th Century Art History (select one course from the following): ......3
   ARHS 220 Art in Non-Western Societies 3
6. 20th Century Art History (select one course from the following): ......3
   ARHS 230 History of the Print 3
C. Required Collateral Courses (24 semester hours):
   ARHS 478 Art in Public Places 3
   ARHS 469 Art of the Twentieth Century 3
   ARHS 460 Nineteenth Century American Architecture 3
   ARHS 457 Pre-Colombian, Oceanic, and African Art 3
   ARHS 455 Selected Problems in Art History (20th century topic only) 3
   ARHS 455 Selected Problems in Art History (medieval topic only) 3
   ARHM 340 Museum Practice 3
   ARHS 108 Women in Art 3
   ARHS 215 Ancient Art 3
   ARHS 322 Early Christian Byzantine Art 3
   ARHS 323 Medieval Art 3
   ARHS 324 Northern Renaissance Painting 3
   ARHS 325 Seventeenth and Eighteenth Century Art 3
   ARHS 326 The Critical Approach 3
   ARHS 327 Asian Art 3
   ARHS 328 Survey of Greek Art 3
   ARHS 329 American Art 3
   ARHS 331 Modern Art 3
   ARHS 332 Ancient Art of Europe 3
   ARHS 450 Modern Architecture 3
   ARHS 451 Contemporary Art 3
   ARHS 452 Renaissance Art in Italy: The Sixteenth Century 3
   ARHS 453 Field Trips in Art History 3
   ARHS 455 Selected Problems in Art History 3
   ARHS 457 Pre-Colombian, Oceanic, and African Art 3
   ARHS 458 African Art: Sub-Saharan 3
   ARHS 459 Art of the Nineteenth Century 3
   ARHS 460 Nineteenth Century American Architecture 3
   ARHS 461 Nineteenth Century American Painting 3
   ARHS 462 Nineteenth Century American Sculpture 3
   ARHS 463 Nineteenth Century American Art 3
   ARHS 477 History of Photography 3
   ARHS 478 Art in Public Places 3
   ARHS 483 Ancient Art in Italy: Etruscan and Roman Art 3
   ARHS 484 Independent Study: Senior Thesis (B.A. in Art History) 3
D. Required Courses (24 semester hours):
   1. General Electives (fulfills GER World Lit) 3
   2. Foreign Language 3
   3. Studio Elective (select 3 semester hours from the following): 3
   4. Elective (Departmental) 3

Free Electives (Recommendations listed below):
1. Second Foreign Language - Students in art history should be aware that most graduate schools require a reading knowledge of French and German before admission. Latin and Italian or Spanish, depending on the student's area of study, may also be required. It is strongly recommended that students achieve a reading level such that they can do an accurate translation from French or German with a dictionary in a reasonable amount of time.
2. PHIL 260 Philosophies of Art 3
3. Studio Courses 3
4. Archeology elective 3
5. ARGS 280 Art Forum 3
6. Theatre or Music History 3

Students are strongly urged to take as many courses as possible in the history, literature, religion, and philosophy of their area of interest (that is, Ancient, Medieval, Renaissance, 17th-18th Century, Modern, or the art of a particular region). Those interested in Ancient Art are encouraged to complete a Minor in Archeology (18 semester hours) and to study Latin and ancient Greek. Those interested in Medieval, renaissance, and Baroque art are encouraged to take both Old Testament and New Testament courses as well as Latin.

Fine Arts Education Concentration
A degree program for students who wish to teach art in various settings including museums, community centers, and schools. Certification is for grades kindergarten through 12.

Required Courses (Semester Hours)
- ARCE 200 Ceramics: Pottery and Sculpture, Beginning I 3
- ARDW 200 Drawing, Beginning I 3
- ARDW 201 Life Drawing, Beginning I 3
- ARL 220 Illustration, Beginning I 3
- ARL 260 Introduction to Cartooning 3
- ARL 261 Humor/Satirical Illustration for Publication 3
- ARJ 200 Metalwork and Jewelry, Beginning I 3
- ARPA 200 Painting, Beginning I 3
- ARPA 205 Figurative Painting 3
- ARPH 200 Photography, Beginning I, Contemporary Art Form 3
- ARPH 200 Printmaking, Beginning I 3
- ARPM 200 Etching and Relief Printing 3
- ARPM 260 Screen Printing 3
- ARSC 200 Sculpture, Beginning I 3
- ARSC 210 Sculpture, Beginning II 3
- ARSC 200 Sculpture, Beginning I 3
- ARSD 200 Sculpture, Beginning II 3

Elective (Departmental) 2
Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Courses of Instruction

ARAN 190
INTRODUCTION TO THE VISUAL ARTS 3.0
Introduction to the ways in which people have expressed themselves in the visual arts. Prerequisites: Permission of instructor. Required for all majors.

ARDW 200
DRAWING, BEGINNING I 3.0
Continuation of ARDW 100. Meets the 1983 General Education Requirement (GER)--Fine and Performing Arts: Art Appreciation. Prerequisite: Special fee.

ARDW 210
DRAWING, BEGINNING II 3.0
Continuation of ARDW 200. Meets the 1983 General Education Requirement (GER)--Fine and Performing Arts: Art Appreciation. Prerequisite: Special fee.

ARDW 211
LIFE DRAWING, BEGINNING II 3.0
Continuation of ARDW 201. Meets the 1983 General Education Requirement (GER)--Fine and Performing Arts: Art Appreciation. Prerequisite: ARDW 201. Special fee.

ARDW 212
LIFE DRAWING, ADVANCED 3.0
Continuation of ARDW 201. Meets the 1983 General Education Requirement (GER)--Fine and Performing Arts: Art Appreciation. Prerequisite: ARDW 201. Special fee.

ARDW 300
DRAWING, INTERMEDIATE 3.0
Continuation of ARDW 210. Prerequisite: ARDW 210. Special fee.

ARDW 301
LIFE DRAWING, INTERMEDIATE 3.0
Continuation of ARDW 211. Prerequisite: ARDW 211. Special fee.

ARDW 400
DRAWING, ADVANCED 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits. Prerequisite: Special fee.

ARDW 401
LIFE DRAWING, ADVANCED 3.0
Continuation of ARDW 300. May be repeated for a maximum of nine credits. Prerequisite: ARDW 300. Special fee.

ARDW 450
INDEPENDENT STUDY IN DRAWING 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of 9 credits. Prerequisite: Departmental approval. Special fee.

ARDW 451
INDEPENDENT STUDY IN LIFE DRAWING 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits. Prerequisite: Departmental approval. Special fee.

ARED 301
FOUNDATION OF METHODS AND CURRICULUM IN ART EDUCATION I: K-12 3.0
Philosophical and theoretical basis of fine arts education; the sources of creativity, concepts of visual literacy and the role of art in individual human experience and in society; organization and presentation of experience, curriculum construction and application of theory to the school, museum, community center, adult education and other teaching situations. For fine arts education majors; this course must be taken simultaneously with Teacher, School and Society in the spring of the junior year. Prerequisite: PSYC 200; Fine Arts Education majors only. Special fee.

ARED 401
FOUNDATION OF METHODS AND CURRICULUM IN ART EDUCATION II: K-12 3.0
Organization and presentation of art experiences for a wide variety of teaching situations, including K-12 adult classes, museum settings and community centers. Exploration of media, understanding their expressive range, proficiency in their use, and adaptation to various teaching goals. Integration of theory and media. Prerequisite: ARED 301; Fine Arts Education majors only. Special fee.

ARFD 100
DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION I, 2D 3.0
Required for art majors. This core course deals with the foundations of visual organization. It is structured to develop the student's vocabulary, both visual and verbal through studio experience, lectures and discussions. The student's perception is heightened by emphasis on light, line, color, plane, texture, form, shape, time as basic elements in all art forms. Two or three dimensional concepts are introduced through a variety of materials and processes. Reading assignments, museum and gallery visits are required. Prerequisite: Special fee.

ARFD 110
DESIGN/FOUNDATIONS OF VISUAL ORGANIZATION II, 3D 3.0
Continuation of ARFD 100. Required of all art majors. Prerequisite: ARFD 100. Special fee.
FIBERS AND FABRICS, ADVANCED   3.0
ARFI 400
Prerequisite: ARFI 322. Special fee.
Continuation of ARFI 322. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 322. Special fee.

INDEPENDENT STUDY IN TEXTILES   3.0
ARFI 451
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval.

SURFACE DESIGN, ADVANCED   3.0
ARFI 422
Continuation of ARFI 322. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 322. Special fee.

SURFACE DESIGN, ADVANCED   3.0
ARFI 422
Continuation of ARFI 322. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 322. Special fee.

SURFACE DESIGN, ADVANCED   3.0
ARFI 422
Continuation of ARFI 322. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 322. Special fee.

FILM AS ART: HISTORICAL AND CONTEMPORARY   3.0
ARFM 280
The development of the motion picture as an art form from its earliest stages to the present; the technical, social, economic, cultural and esthetic factors. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.

INDEPENDENT STUDY IN TEXTILES   3.0
ARFI 451
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits.
Prerequisite: Departmental approval.

SURFACE DESIGN, ADVANCED   3.0
ARFI 422
Continuation of ARFI 322. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 322. Special fee.

SURFACE DESIGN, ADVANCED   3.0
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SURFACE DESIGN, ADVANCED   3.0
ARFI 422
Continuation of ARFI 322. May be repeated for a maximum of nine credits.
Prerequisite: ARFI 322. Special fee.
ARGD 434
PACKAGE DESIGN 3.0
A survey of the state of the art in packaging. Course projects will be based on 
the consumer product industry. Graphic problems for three-dimensional 
objects and display. Package design comprehensive techniques for art director 
and client presentation. Grasping product essence and interpreting client needs 
and the demands of the marketplace. 
Prerequisite: ARGD 300. Special fee.

ARGD 460
GRAPHIC DESIGN, ADVANCED II 3.0
Designing in the real world: the business of visual problem solving. Creating 
proposals, schedules, fees. With successful completion of this course, the 
student will have created a resume and professional portfolio for use in the 
field. 
Prerequisite: ARGD 400. Special fee.

ARGS 280
ART FORUM 3.0
A series of lectures/presentations by artists, critics, museum directors, art 
historians; and visits to museums and galleries. Introduces students to the 
creative process, philosophies of art, and the role of art in life. May be repeated 
for a maximum of nine credits. Meets the 1983 General Education Require-
ment (GER)--Fine and Performing Arts: Art Appreciation. 
Prerequisite: Special fee.

ARGS 350
INDEPENDENT STUDY 1.0-6.0
Selected studio topics which represent current concerns within the contempo-
rary world of the visual arts. May be repeated for credit. 
Prerequisite: Special fee.

ARGS 441
EXTERNSHIP IN STUDIO 2.0-8.0
Involvement beyond the campus in a museum, art institution, or gallery, participation in inner city programs or study with an independent 
artist/craftsperson. Approval by supervising faculty, shall not exceed eight 
credit hours in total per semester. May be repeated for a maximum of twelve 
credits. 
Prerequisite: Departmental approval. Special fee.

ARHS 105
ART IN WESTERN CIVILIZATION: ANCIENT AND MEDIEVAL 3.0
The history of Western art and architecture from Prehistoric Europe through 
the Middle Ages. The course covers ancient Mesopotamia and Egypt, Greece 
and Rome, then Byzantine, Early Medieval, Romanesque, and Gothic art. 
Museum visits and extensive reading. Required for Fine Arts majors. Meets 
Gen Ed 2002--Humanities, World Literature or General Humanities. Meets the 
1983 General Education Requirement (GER)--Fine and Performing Arts: Art 
Appreciation. Meets the University Writing Requirement for FAAH, FAED, 
FASF, FASI, FAST majors. 
Prerequisite: Special fee.
ARHS 106
ART IN WESTERN CIVILIZATION: RENAISSANCE TO MODERN  3.0
The history of Western art and architecture from the fifteenth century to the present. Included are the arts of the Renaissance, Baroque, Rococo, Romantic, Impressionist and Modern periods. Museum visits and extensive reading. Required for Fine Arts majors. Meets Gen Ed 200–Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Meets the University Writing Requirement for FAAH, FAED, FASF, FASI, FAST majors. Prerequisite: Special fee.

ARHS 200
RESOURCES AND METHODS OF RESEARCH IN THE ARTS  3.0
Bibliographic and other scholarly resources; the special problems of scholarship and research. Prerequisite: Special fee.

ARHS 215
ANCIENT ART  3.0
The origins of art and the civilizations of the ancient world; Paleolithic man and the Sumerian, Hittite, Assyrian, Phoenician and Egyptian civilizations. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Prerequisite: Special fee.

ARHS 216
RENAISSANCE ART IN ITALY: THE FIFTEENTH CENTURY  3.0
The formation of Renaissance painting, sculpture and architecture during the Quattrocento; Masaccio, Mantegna, Donatel, Brunelleschi, and Alberti emphasized. Prerequisite: Special fee.

ARHS 220
ART IN NON-WESTERN SOCIETIES  3.0
A consideration of the role of art in traditional non-Western societies. The course includes an introduction to the geographic setting, and an examination of the integration of art into society as a whole—the economics, social order, politics, history, religion and philosophy. The role art plays in social change and how it is affected by social change. Meets the Gen Ed 200–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement. Prerequisite: Special fee.

ARHS 230
HISTORY OF THE PRINT  3.0
The principal types of prints from their beginnings to today. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Prerequisite: Special fee.

ARHS 250
MODERN PHILOSOPHIES OF ART  3.0
The work of major writers about art in the nineteenth and twentieth centuries; the nature of the creative experience, the function of art in the life of the individual and of society, the nature of the creative process, the rise of new materials and institutions; the development of sentiments and attitudes affecting thinking in the field. Meets the 1983 General Education Requirement (GER)–Humanities, World Literature or General Humanities. Prerequisite: Special fee.

ARHS 275
AFRO-AMERICAN ART  3.0

ARHS 322
EARLY CHRISTIAN-BYZANTINE ART  3.0
The emergence and development of early Christian art from its classical and late classical antecedents and its development up to Byzantine art. Prerequisite: Special fee.

ARHS 323
MEDIEVAL ART  3.0
Painting, sculpture and architecture in the Romanesque and Gothic periods. Prerequisite: Special fee.

ARHS 324
NORTHERN RENAISSANCE PAINTING  3.0
Fifteenth and sixteenth century painting in northern Europe with particular attention to Flanders and Holland; emphasis on Jan Van Eyck, Van Der Weyden, Bosch, Peter Bruegel and Matthias Grunenwald. Prerequisite: Special fee.

ARHS 325
SEVENTEENTH AND EIGHTEENTH CENTURY ART  3.0
Painting, sculpture, and architecture in western Europe from 1600 to 1800; Baroque and Rococo styles with emphasis on El Greco, Bernini, Rubens, Rembrandt, Poussin and Watteau. Prerequisite: Special fee.

ARHS 327
HISTORY OF ORIENTAL ART  3.0
The factors that shaped oriental society; the art of China, Korea, Japan, India, Southeast Asia and the neighboring Islamic world. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Prerequisite: Special fee.

ARHS 328
SURVEY OF GREEK ART  3.0
Greek art including painting, sculpture and architecture from the Bronze Age through the Hellenistic period. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Prerequisite: Special fee.

ARHS 329
AMERICAN ART  3.0
Art in the United States from the colonial period through the nineteenth century; the development of an American style in the light of its relationship to and dependence upon European art. Prerequisite: Special fee.

ARHS 370
HISTORY OF INDUSTRIAL DESIGN  3.0
The history of industrial design is raced from the industrial revolution to the latter part of the twentieth century. Prerequisite: Special fee.

ARHS 450
MODERN ARCHITECTURE  3.0
Major contributions to the development of modern architecture in the nineteenth and twentieth centuries; the development of styles, structural innovations and theories of design. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation. Prerequisite: Special fee.

ARHS 451
CONTEMPORARY ART  3.0
The work of major artists of the twentieth century with particular reference to the dominant ideas of the period; readings, museum trips, discussion of contemporary writing and criticism. Prerequisite: Special fee.

ARHS 452
RENAISSANCE ART IN ITALY: THE SIXTEENTH CENTURY  3.0
The great masters of the Cinquecento: Leonardo, Michelangelo, Raphael, Giorgione and Titian; the emergence of Mannerist art and architecture in Rome, Venice, Florence and Bologna. Prerequisite: Special fee.

ARHS 455
SELECTED PROBLEMS IN ART HISTORY  3.0
A seminar in topics like the works of an individual artist or a particular theme in art history (e.g. the human figure) or a particular technique (e.g. sculpture); lectures, reports, museum and studio visits, discussion. May be repeated for credit. Prerequisite: Special fee.

ARHS 459
ART OF THE NINETEENTH CENTURY  3.0
The major movements of the nineteenth century: Classicism, Romanticism and Realism; the salon at mid-century; Impressionism; Post-Impressionism. Prerequisite: Special fee.

ARHS 462
SENIOR SEMINAR  3.0
Seminar in selected artistic problems of historic, social and philosophical nature. Prerequisite: Departmental approval. Special fee.
ARID 220
INTRODUCTION TO COMPUTER AIDED SOLID MODELING REPRESENTATION 3.0
Beginning course enabling students to build conceptual and performance skills required to create and visualize three dimensional objects on a computer. *Prerequisite: ARID 100.*

ARID 221
SURFACE MODELING TECHNIQUES 3.0
Application of computer graphics to visualize problems associated with product design relating to form, space, color and factors of human interaction. *Prerequisite: ARID 200.*

ARID 300
INDUSTRIAL DESIGN STUDIO, INTERMEDIATE 3.0
To provide industrial design students opportunities to build on skills and attitudes developed in ARID 200 by collectively developing industrial design projects in small group sizes and producing a presentation quality prototype. *Prerequisite: ARID 200.*

ARID 310
MATERIALS PROCESSING STUDIO II 3.0
Study of hand and machine processing utilizing layout, handwork, machining, and precision control systems. Includes an introduction to CNC machining. Laboratory activities are applied to prototyping and manufacturing processes appropriate for industrial designers. *Prerequisite: ARID 210.*

ARID 340
MODEL MAKING AND PROTOTYPING 3.0
The design and construction of scale model as a visualization and prototyping tool for designers and artists.

ARID 350
HUMAN FACTORS IN ENGINEERING 3.0
The study of information and guidelines related to the design of systems, facilities, equipment and products for human use and consumption. Basic concepts and principals of ergonomics related to the field of industrial design are emphasized.

ARID 360
PROFESSIONAL PRACTICES IN INDUSTRIAL DESIGN 3.0
Examination of the myriad of issues facing industrial designers. Highlighted are legal, political, contractual and professional ethics and an introduction to professional organizations and career development.

ARID 380
METAL CASTING TECHNOLOGY 3.0
The study of contemporary industrial metal casting techniques. Laboratory activities will afford the student an opportunity to develop an understanding of casting practices as applied to the design of industrial products.

ARID 400
INDUSTRIAL DESIGN STUDIO, ADVANCED 3.0
An advanced level industrial design laboratory course enabling the student to identify a significant design project requiring sophisticated materials processing techniques to develop a pre-production prototype consumer product. *Prerequisite: ARID 300.*

ARID 405
ADVANCED TECHNIQUES IN DESIGN DELINEATION 3.0
This studio course concentrates on extending the student's technical appreciation, knowledge and skill level in the production of industrial product drawings. *Prerequisite: ARID 100.*

ARID 410
PROJECT DESIGN DEVELOPMENT I 3.0
Students will develop projects based on their own interests, and working in conjunction with both faculty and/or actual clients, manage their projects through a complete design and prototyping cycle.

ARID 411
PROJECT DESIGN DEVELOPMENT II 3.0
An opportunity for students to focus independently on specific themes or interests. This is the second part of a two-part course sequence (with ARID 410) in preparing students to experience methods of solving complex industrial design issues. *Prerequisite: ARID 410.*

ARIL 220
ILLUSTRATION, BEGINNING I 3.0
A study of the major historical and contemporary themes of illustration and its influences. Through slide presentation the work of leading illustrators will be shown and discussed and the relationship between illustration and fine art will be explored. Illustration assignments will provide concrete experience of the related thematic issues and introduce formal approaches and relevant techniques. *Prerequisite: ARFD 100. Special fee.*

ARIL 230
ILLUSTRATION, BEGINNING II 3.0
Approaches to illustration and applications of illustration techniques within selected professional fields, such as book illustration and children’s book illustration; media illustration; record, greeting card and poster illustration; and humorous and satirical illustration. One of these professional fields will be explored each semester, in rotation. *Prerequisite: ARIL 220. Special fee.*
ARIL 260
INTRODUCTION TO CARTOONING 3.0
A studio exploration of the single-panel cartoon, humorous illustration, and the editorial cartoon through discussion, examination and experimentation. Cartoon formats, concepts, styles, techniques and history will be discussed. The student will experience creating cartoons from the isolation of an idea to the point of completion for publication. Students will receive on-going one-on-one critiques. Each major project assignment will culminate in a group critique, which will also serve as the “publication deadline” for each project. 
Prerequisite: Special fee.

ARL 320
ILLUSTRATION, INTERMEDIATE 3.0
Continuation of ARL 320. 
Prerequisite: ARL 230. Special fee.

ARL 321
INTRODUCTION TO 3-D COMPUTER ILLUSTRATION AND ANIMATION ARTS 3.0
An exploration of 3-D computer-generated imagery and animation combining traditional illustrative techniques and digital technology. 
Prerequisite: ARL 220.

ARL 420
ILLUSTRATION, ADVANCED 3.0
Continuation of ARL 320. May be repeated for a maximum of nine credits. 
Prerequisite: ARL 320. Special fee.

ARL 421
ADVANCED 3-D COMPUTER ILLUSTRATION AND ANIMATION ARTS 3.0
A 2nd level computer illustration and animation course introducing industry standard software: Maya. A mix of traditional animation principles from story boarding to character development as well as inverse kinematics and keyframing will be taught. 
Prerequisite: ARL 321.

ARMJ 200
METALWORK AND JEWELRY, BEGINNING I 3.0
Introduction to metal working and jewelry techniques traditionally used in the shaping of useful articles. 
Prerequisite: Special fee.

ARMJ 210
METALWORK AND JEWELRY, BEGINNING II 3.0
Advanced design concepts and metalworking techniques. 
Prerequisite: ARMJ 200 or departmental approval. Special fee.

ARMJ 300
METALWORK AND JEWELRY, INTERMEDIATE 3.0
Traditional techniques, advanced design concepts and techniques. 
Prerequisite: ARMJ 200 or ARMJ 210. Special fee.

ARMJ 400
METALWORK AND JEWELRY, ADVANCED 3.0
Continuation of ARMJ 300. May be repeated for a maximum of nine credits. 
Prerequisite: ARMJ 300. Special fee.

ARMJ 450
INDEPENDENT STUDY IN METALWORK AND JEWELRY 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits. 
Prerequisite: Departmental approval.

ARPA 200
PAINTING, BEGINNING I 3.0
Prerequisite: Special fee.

ARPA 210
PAINTING, BEGINNING II 3.0
Continuation of ARPA 200. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. 
Prerequisite: ARPA 200. Special fee.

ARPA 260
FIGURATIVE PAINTING 3.0
Rendering the human figure and expressing creative insights into figurative painting. May be repeated for a maximum of nine credits. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. 
Prerequisite: ARPA 200.

ARPA 300
PAINTING, INTERMEDIATE 3.0
Continuation of ARPA 210. 
Prerequisite: ARPA 210. Special fee.

ARPA 400
PAINTING, ADVANCED 3.0
Continuation of ARPA 300. May be repeated for a maximum of nine credits. 
Prerequisite: ARPA 300. Special fee.

ARPA 450
INDEPENDENT STUDY IN PAINTING 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits. 
Prerequisite: Departmental approval.

ARPG 260
INTRODUCTION TO PAPERMAKING 3.0
Basic methods of making handmade paper as an art form; history and basic principles of handmade paper; contemporary directions and methods of forming. 
Prerequisite: Special fee.

ARPG 360
INTERMEDIATE PAPERMAKING 3.0
Prerequisite: ARPG 260. Special fee.

ARPH 200
PHOTOGRAPHY BEGINNING I: CONTEMPORARY ART FORM 3.0
Prerequisite: Special fee.

ARPH 201
DIGITAL PHOTO AND IMAGING I 3.0
The objective of this course is to teach students basic digital photography and imaging tools. The class will learn how to operate a digital camera, flatbed and film scanners, photographic quality inkjet printers as well as Adobe Photoshop skills for basic digital darkroom techniques, image editing and manipulation. Meets Gen Ed 2002–Fine and Performing Arts.

ARPH 210
PHOTOGRAPHY BEGINNING II: CONTEMPORARY ART FORM 3.0
The essentials of the photographic process including developing, enlarging, portfolio creation, exhibiting, trips, videos, discussion, lecture, critiques, and demonstrations. A continuation of ARPH 200, Photography Beginning I: Contemporary Art Form. 
Prerequisite: ARPH 200. Special fee.

ARPH 211
DIGITAL PHOTO AND IMAGING II 3.0
The objective of this course is to expand on the knowledge base learned from Digital Photo and Imaging I. The students will acquire a higher level of competency in operating a digital camera, utilizing digital photographic tools and operating output devices for printing. Students will be introduced to page layout software to produce multiple photographic sequences. 
Prerequisite: ARPH 201.
ARPH 300
PHOTOGRAPHY INTERMEDIATE: CONTEMPORARY ART FORM 3.0

ARPH 361
SPECIAL PROCESS IN PHOTOGRAPHY 4.0
Non-traditional light sensitive materials for use in the photographic image-making process. Extension of traditional boundaries of photography through new tools permitting greater image manipulation: gum bichromate, cyanotype, platinum, photo etching, and others. Prerequisite: ARPH 300. Special fee.

ARPH 400
PHOTOGRAPHY ADVANCED: CONTEMPORARY ART FORM 3.0
Workshop, discussion, lecture, demonstrations, criticism; photography as an intensive learning experience; light sensitive materials, controls, photographic approach, selection, system and view camera. May be repeated for a maximum of nine credits. Prerequisite: ARPH 300. Special fee.

ARPH 451
INDEPENDENT STUDY IN PHOTOGRAPHY: CONTEMPORARY ART FORM 3.0
Topics for investigation selected with the approval of the instructor. May be repeated for a maximum of nine credits. Prerequisite: Departmental approval. Permission of instructor.

ARPH 463
COMMERCIAL PHOTOGRAPHY 4.0
Workshop and problem-solving of commercial applications in photography; view camera to 35mm, color and black and white materials, studio lighting, photo illustration, photo essay, marketing, Field trips, visiting professionals. Prerequisite: ARPH 400. Special fee.

ARPM 200
PRINTMAKING, BEGINNING I 3.0

ARPM 210
PRINTMAKING, BEGINNING II 3.0
Consideration of printmaking media; particular attention to the growth and development of art-making concepts as they relate to the printmaking processes. Prerequisite: ARPM 200. Special fee.

ARPM 260
ETCHING AND RELIEF PRINTING 3.0
Drypoint, engraving, etching and major techniques like line and open bite, soft ground, stop out procedure, lift ground, mezzotint and aquatint. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. Prerequisite: ARPM 200. Special fee.

ARPM 261
LITHOGRAPHY 3.0
Chemicals, tools, materials and techniques of the process. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. Prerequisite: ARPM 200.

ARPM 262
SCREEN PRINTING 3.0
Screen printing including miskit, tusche, glue, lacquer and stencil and photographic techniques. Prerequisite: Special fee.

ARPM 263
BOOK ARTS INTRODUCTION 3.0
Book Arts is an introductory course involving the creation of handbound multi-signature books that incorporate both Eastern and Western approaches to design and format. The aesthetic quality of the artist book resides in its unique structure, visual narrative, continuum of tradition, and diversity of materials.

ARPM 300
PRINTMAKING, INTERMEDIATE 3.0
Continuation of ARPM 210. Prerequisite: ARPM 210. Special fee.

ARPM 400
PRINTMAKING, ADVANCED 3.0
Continuation of ARPM 300. May be repeated for a maximum of nine credits. Prerequisite: ARPM 300. Special fee.

ARPM 450
INDEPENDENT STUDY IN PRINTMAKING 3.0
Topics for investigation selected with approval of the instructor. May be repeated for a maximum of nine credits. Prerequisites: Departmental approval.

ARSC 200
SCULPTURE, BEGINNING I 3.0

ARSC 210
SCULPTURE, BEGINNING II 3.0
The course will focus on the figure (working from life) with auxiliary experiences in mold-making and casting. The materials will be clay (plasticine), plaster and armatures. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. Prerequisite: Special fee.

ARSC 221
SCULPTURE: CLAY, INTRODUCTION A 3.0
The use of clay to create sculptural forms; emphasis on developing skills and strengthening understanding of sculpture as an art form. Finished works may be composed of fired clay or unfired clay or clay in combination with other materials. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. Prerequisite: Special fee.

ARSC 231
SCULPTURE: CLAY, INTRODUCTION B 3.0
Continuation of ARSC 221. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. Prerequisite: ARSC 221. Special fee.

ARSC 300
SCULPTURE, INTERMEDIATE 3.0
Continuation of ARSC 200 and ARSC 210. Prerequisite: ARSC 200 and ARSC 210. Special fee.

ARSC 321
SCULPTURE: CLAY, INTERMEDIATE 3.0
Continuation of ARSC 231. Prerequisite: ARSC 231. Special fee.

ARSC 400
SCULPTURE, ADVANCED 3.0
Continuation of ARSC 300. May be repeated for a maximum of nine credits. Prerequisite: Departmental approval. Special fee.

ARSC 421
SCULPTURE: CLAY, ADVANCED 3.0
Continuation of ARSC 321. May be repeated for a maximum of nine credits. Prerequisite: Departmental approval. Special fee.

ARST 400
MAJOR STUDIO PROJECT I (B.F.A.) 3.0
With faculty advisement, each senior student will design and develop a studio project in a chosen area of specialization. The body of the work will be completed in Major Studio Project II. Prerequisite: Departmental approval. Special fee.
ARST 410
MAJOR STUDIO PROJECT II (B.F.A.)  10.0
With faculty advisement, each senior student will complete and present a body of work in an area of extended specialization, the same area of specialization already established and explored in Major Studio I.
Prerequisite: ARST 400. Special fee.

ARTH 280
INTRODUCTION TO ART THERAPY  3.0
An historical and theoretical overview including the literature and current trends in the field. Students will use a variety of art materials to express personal symbolism, fantasy, and dreams. Open to non-majors. Meets the 1983 General Education Requirement (GER)–Electives, Personal/Professional Issues.
Prerequisite: Special fee.
BIOLOGY AND
MOLECULAR
BIOLOGY

COLLEGE OF SCIENCE AND MATHEMATICS
Chairperson: Scott L. Kight

The student can prepare for a biology career, graduate work, or professional programs in medicine, dentistry, medical technology, physical therapy, veterinary medicine, pharmacy and other fields related to biology, by taking the major requirements with a proper selection of electives. Students can obtain certification to teach biology by completing the professional sequence. A minor in biology is also available.

Outstanding students can take advantage of the honors program and be granted an “Honors in Biology” by fulfilling the prescribed requirements. For information about the program, contact the department chairperson.

Freshman courses offered for biology majors assume that the student has taken mathematics in high school.

Biology Major

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 111</td>
<td>Principles of Biology I</td>
<td>4</td>
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<tr>
<td>BIOL 113</td>
<td>Principles of Biology II</td>
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<tr>
<td>BIOL 199</td>
<td>Freshman Seminar in Biology</td>
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<tr>
<td>BIOL 213</td>
<td>Introduction to Ecology</td>
<td>4</td>
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<tr>
<td>BIOL 230</td>
<td>Cell and Molecular Biology</td>
<td>4</td>
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<tr>
<td>BIOL 380</td>
<td>Genetics</td>
<td>4</td>
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<td>BIOL 491</td>
<td>Research in Biology Literature</td>
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<td>BIOL 490</td>
<td>Senior Seminar in Biology</td>
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<tr>
<td>BIOL 471</td>
<td>Biomedical Ethics</td>
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Collateral Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>CHEM 120</td>
<td>General Chemistry I</td>
<td>4</td>
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<tr>
<td>CHEM 230</td>
<td>Organic Chemistry I</td>
<td>3</td>
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<tr>
<td>CHEM 231</td>
<td>Organic Chemistry II</td>
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</tr>
<tr>
<td>CHEM 232</td>
<td>Experimental Organic Chemistry I</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one sequence:

PHYS 191 - University Physics I
PHYS 192 - University Physics II
OR
PHYS 193 - College Physics I
PHYS 194 - College Physics II

Select one sequence:

MATH 109 - Statistics
MATH 111 - Applied Precalculus
OR
MATH 112 - Precalculus Mathematics
MATH 116 - Calculus A
OR
MATH 122 - Calculus I
MATH 221 - Calculus II

Major Electives

Select one biology elective from each of the following 4 areas and one additional elective: 15-20

A. Cell and Molecular
BIOL 350 - Microbiology
BIOL 433 - Developmental Biology

B. Ecology
BIOL 220 - Introduction to Marine Biology
BIOL 300 - Environmental Biology and Related Controversial Issues
BIOL 330 - Introduction to Animal Behavior
BIOL 370 - Principles of Ecology
BIOL 417 - Evolution and Systematics
BIOL 420 - Economic Botany
BIOL 426 - New Jersey Flora
BIOL 430 - Ornithology
BIOL 431 - Entomology
BIOL 460 - Biological Oceanography
BIOL 461 - Aquatic Ecology

C. Organismal
BIOL 417 - Evolution and Systematics
BIOL 420 - Economic Botany
BIOL 425 - Plant Anatomy
BIOL 426 - New Jersey Flora
BIOL 432 - Medical Entomology
BIOL 433 - Developmental Biology
BIOL 439 - Biology of Animal Parasites
BIOL 440 - Gross Mammalian Anatomy
BIOL 441 - Comparative Anatomy of Vertebrates
BIOL 442 - Human Physiology
BIOL 443 - Vertebrate Embryology
BIOL 445 - Immunology
BIOL 446 - Endocrinology
BIOL 447 - Fundamentals of Pharmacology
BIOL 448 - Mammalian Microanatomy
BIOL 450 - Medical Microbiology

D. Research
BIOL 418 - Medical Research Techniques
BIOL 449 - Research Community I: Organism Biology
BIOL 450 - Research Community II: Organism Biology

E. One additional elective from above.

Molecular Biology Major

The main objectives of our undergraduate Molecular Biology major are: to educate students in greater depth in molecular studies than would be possible in our Biology program, and to prepare students in the methodological advances which have changed the study of biology in recent years. The field of molecular biology has an impact on almost every other area of study in the biological sciences, and its development has led to expanded graduate and professional programs. The Molecular Biology curriculum will provide undergraduate students with a fundamental knowledge of the principles and practices inherent in the rapidly advancing field of molecular biology.

Students who major in Molecular Biology can also enter the burgeoning biotechnology industry, well prepared to compete in the modern scientific marketplace, as most institutions carry on basic or applied research in biomedically related areas today using techniques of molecular biology. Students completing this major will be well-prepared to enter professional schools of medicine, dentistry, veterinary medicine, and optometry, as well as graduate programs.
Required Courses

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>BIOL 112 Principles of Biology I</td>
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<tr>
<td>BIOL 113 Principles of Biology II</td>
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<tr>
<td>BIOL 199 Freshman Seminar in Biology</td>
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<tr>
<td>BIOL 230 Cell and Molecular Biology</td>
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<tr>
<td>BIOL 350 Microbiology</td>
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</tr>
<tr>
<td>BIOL 380 Genetics</td>
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<tr>
<td>BIOL 434 Introductory Molecualr Biology</td>
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<td>BIOL 435 Experimental Molecular Biology</td>
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<tr>
<td>BIOL 409 Externship in Biological Research (Cooperative Education)</td>
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<td>OR</td>
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<tr>
<td>BIOL 418 Independent Research</td>
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Collateral Chemistry Courses

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<th>Semester Hours</th>
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<tr>
<td>CHEM 120 General Chemistry I</td>
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<tr>
<td>CHEM 121 General Chemistry II</td>
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<tr>
<td>CHEM 230 Organic Chemistry I</td>
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<td>CHEM 231 Organic Chemistry II</td>
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<td>CHEM 470 Biochemistry I</td>
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<tr>
<td>CHEM 471 Biochemistry II</td>
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Select one sequence:

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<tr>
<th>Course</th>
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<tr>
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<tr>
<td>PHYS 192 University Physics II</td>
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<td>OR</td>
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<tr>
<td>PHYS 193 College Physics I</td>
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<td>PHYS 194 College Physics II</td>
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<tr>
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<td>MATH 221 Calculus II</td>
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Select one of the following:

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<tr>
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<tr>
<td>CMPT 109 Computer Applications</td>
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<td>OR</td>
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<tr>
<td>CMPT 183 Foundations of Computer Science I</td>
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Electives

Select a least 8 semester hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIOL 405 Cell Culture</td>
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<tr>
<td>BIOL 406 Scanning Electron Microscopy</td>
<td>4</td>
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<td>BIOL 409 Externship in Biological Research (Cooperative Education)</td>
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<tr>
<td>BIOL 411 Introduction to Transmission Electron Microscopy</td>
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<tr>
<td>BIOL 418 Biology Independent Research</td>
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<tr>
<td>BIOL 425 Elementary Plant Physiology</td>
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<td>BIOL 442 Human Physiology</td>
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<td>BIOL 443 Vertebrate Embryology</td>
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<td>BIOL 445 Immunology</td>
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<td>BIOL 446 Endocrinology</td>
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<td>BIOL 447 Fundamentals of Pharmacology</td>
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<td>BIOL 450 Medical Microbiology</td>
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<td>BIOL 471 Biomedical Ethics</td>
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<td>BIOL 475 Medical Genetics</td>
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<td>BIOL 476 Biology of Cancer</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 492 Senior Colloquium</td>
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</table>

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. The course requirements are otherwise similar to those of the Biology major.

Second Teaching Field in Biological Sciences

An approved program of at least 30 semester hours with 18 credits at 100-200 level and 12 credits at 300-400 level and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Biology Honors

- Biology Major
- Overall Grade Point Average 3.50
- Biology Grade Point Average 3.70 with no grade lower than a "B"
- Additional Courses
  - BIOL 418 Biology Independent Study
  - BIOL 491 Research in Biology Literature

(2 Biology faculty sponsors needed)

Biology Major with Environmental Science Concentration

Required Courses

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<td>BIOL 199 Freshman Seminar in Biology</td>
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<tr>
<td>BIOL 230 Cell and Molecular Biology</td>
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<tr>
<td>BIOL 350 Microbiology</td>
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<td>BIOL 380 Genetics</td>
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<tr>
<td>BIOL 434 Introductory Molecular Biology</td>
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<tr>
<td>BIOL 435 Experimental Molecular Biology</td>
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<tr>
<td>BIOL 409 Externship in Biological Research (Cooperative Education)</td>
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<tr>
<td>BIOL 418 Independent Research</td>
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Collateral Chemistry Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>CHEM 120 General Chemistry I</td>
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<tr>
<td>CHEM 121 General Chemistry II</td>
<td>4</td>
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<tr>
<td>CHEM 230 Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 231 Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 232 Experimental Organic Chemistry I</td>
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</tr>
<tr>
<td>CHEM 470 Biochemistry I</td>
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<tr>
<td>CHEM 471 Biochemistry II</td>
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Select one sequence:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PHYS 191 University Physics I</td>
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<tr>
<td>PHYS 192 University Physics II</td>
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<tr>
<td>OR</td>
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<tr>
<td>PHYS 193 College Physics I</td>
<td>4</td>
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<td>PHYS 194 College Physics II</td>
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<tr>
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<tr>
<td>MATH 112 Precalculus Mathematics</td>
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<td>MATH 116 Calculus A</td>
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<td>OR</td>
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<tr>
<td>MATH 122 Calculus I</td>
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<tr>
<td>MATH 221 Calculus II</td>
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Select one of the following:

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<th>Semester Hours</th>
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<tr>
<td>CMPT 109 Computer Applications</td>
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<tr>
<td>OR</td>
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<tr>
<td>CMPT 183 Foundations of Computer Science I</td>
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Collateral Physics Courses

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<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
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<td>OR</td>
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<tr>
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<td>4</td>
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<td>PHYS 194 College Physics II</td>
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Collateral Mathematics Courses

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<th>Course</th>
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<tbody>
<tr>
<td>MATH 111 Applied Precalculus</td>
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<td>OR</td>
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<tr>
<td>MATH 122 Calculus I</td>
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<td>MATH 221 Calculus II</td>
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<td>OR</td>
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<tr>
<td>MATH 109 Statistics</td>
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<tr>
<td>MATH 111 Applied Precalculus</td>
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Collateral Chemistry Courses

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<tr>
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<tbody>
<tr>
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<td>CHEM 231 Organic Chemistry II</td>
<td>3</td>
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<tr>
<td>CHEM 232 Experimental Organic Chemistry I</td>
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Collateral Physics Courses

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<td>4</td>
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<tr>
<td>PHYS 194 College Physics II</td>
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</table>

Biology Major Elective

Select a minimum of 3 semester hours from the appropriate list to be obtained from the department.

Environmental Science Concentration

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>BIOL 256 Applied Environmental Microbiology</td>
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</tr>
<tr>
<td>GEOS 112 Physical Geology</td>
<td>4</td>
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<tr>
<td>GEOS 450 Principles of Soil Science</td>
<td>3</td>
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<tr>
<td>GEOS 452 Geohydrology</td>
<td>3</td>
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<tr>
<td>OR</td>
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<tr>
<td>ENVR 452 Geohydrology</td>
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Pick one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>GEOS 454 Environmental Geochemistry</td>
<td>3</td>
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<tr>
<td>OR</td>
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<tr>
<td>CHEM 320 Environmental Chemical Analysis</td>
<td>3</td>
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</tbody>
</table>
Courses of Instruction

BICL 405
CELL CULTURE
Theory of and practice in working with living cells: tissue culture techniques, cell communication, differentiation, regeneration and aging in several living cell systems.
Prerequisite: Departmental approval. Special fee.

BICL 406
SCANNING ELECTRON MICROSCOPY
Introduction to theory and practice of scanning electron microscopy. Includes specimen preparation, scanning electron microscope operation, electron specimen interactions/imagery, and microanalysis.
Prerequisite: Departmental approval. Special fee.

BIOL 100
BIOLOGICAL SCIENCES
The study of life from molecule to organism with focus on structure and function of cells, mechanisms of heredity and change, survey of animals and plants and their interrelationships in the living world. Open to non-majors as well as majors. BIOL 100 is not included in the GPA as a biology major course.
(3 hours lecture, 2 hours laboratory.) Meets the Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-laboratory Science. 
Prerequisite: Special fee.

BIOL 107
BIOLOGY FOR SURVIVAL
Basic concepts of biology that focus on social implications of pollution, population control, radiation, drugs, pesticides, the genetic revolution, etc. For non-science majors. Biology majors may only take this course as a free elective. (3 hours lecture.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science Only.

BIOL 109
THE LIVING WORLD
This course will provide students an opportunity to learn about the biological and environmental components of life and how these components interact to affect their own lives. This course is designed to be effective for and approachable by students who are not biology majors. (3 hours lecture, 2 hours laboratory.) No prerequisites in biology are needed. Meets Gen Ed 2002—Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science Only. 
Prerequisite: Special fee.

BIOL 110
THE BIOLOGY OF HUMAN LIFE
The course is intended to serve the non-biology major and present a basic introduction to human anatomy and physiology. It will provide students with a laboratory experience so that they may learn the scientific method and its application in the field of human biology. This course will provide these students with a body of knowledge specific to human anatomy and physiology so that they may be well informed when dealing with important personal, family and societal issues relative to health and life-style decisions. (3 hours lecture, 2 hours laboratory.) Meets Gen Ed 2002—Laboratory or Non-laboratory Science. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-laboratory Science.
Prerequisite: Special fee.

BIOL 111
EMERGING DISEASES
This is a course to discuss biological, social, and ethical aspects of emerging diseases. Topics such as cancer, heart disease, stroke, and emerging infectious disease will be covered. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-laboratory Science only.
PRINCIPLES OF BIOLOGY I 4.0

Principles of Biology I involves the study of life from molecule to multicellular organism with focus on structure and function of cells, mechanisms of heredity and change, and the ways in which these processes shape higher levels of biological organization. This course is designed to fulfill the first core course requirement of the biology major.
Prerequisite: BIOL 100 or minimum MSUPT composite test score of 160 for writing and reading. Special fee.

BIOL 113

PRINCIPLES OF BIOLOGY II 4.0

Principles of Biology II will provide an introductory level study of biodiversity and the origins of life, phylogenetic relationships among organisms, genetics, developmental biology, reproduction, the biology of populations and communities, and ecosystem processes.
Prerequisite: BIOL 100 or minimum MSUPT composite test score of 160 for writing and reading. Special fee.

BIOL 199

FRESHMAN SEMINAR IN BIOLOGY 1.0

An experience for biology freshmen that will help them to succeed as Biology majors by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002–New Student Seminar.

BIOL 213

INTRODUCTION TO ECOLOGY 4.0

Semester-long field oriented course designed as an introduction to the natural world. Emphasis will be placed on identifying and characterizing the variety of habitats in New Jersey through field observations, group and individual projects and specimen collection. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 112 or 113 (or BIOL 120 or BIOL 132 if completed prior to Fall 2002). Special fee.

BIOL 215

HUMAN HEREDITY 3.0

A non-major course introducing concepts of classical heredity and modern molecular genetics, which stresses the techniques and significance of genetic knowledge and research. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-laboratory Science Only.

BIOL 230

CELL AND MOLECULAR BIOLOGY 4.0

An introduction to the chemistry, structure, and function of prokaryotic and eukaryotic cells. Topics covered include membrane structure and transport processes, bioenergetics and energy transformations in cells, DNA replication and expression, protein synthesis, and cell movement. (3 hours lecture, 3 hours laboratory.)
Prerequisites: CHEM 120 with a grade of "C–" or better. Special fee.

BIOL 240

MAMMALIAN ANATOMY AND PHYSIOLOGY I 3.0

Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: Special fee.

BIOL 241

MAMMALIAN ANATOMY AND PHYSIOLOGY II 3.0

Human anatomy and physiology for health education and physical education majors. Not for Biology majors. Biology majors may only take this course as a free elective. (2 hours lecture, 2 hours laboratory.)
Prerequisite: BIOL 240. Special fee.

BIOL 243

HUMAN ANATOMY AND PHYSIOLOGY 4.0

A study of the dynamics of the human body in relation to its structure and function is based on its nutritional input. Each organ system is discussed in relation to its contribution to the whole functioning organism, as well as a basic survey of its pathologies. Primarily for ADA certification. (3 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.

BIOL 244

ANATOMY AND PHYSIOLOGY OF MAMMALS I 4.0

The structure and function of the cell, tissue and organ systems-integumentary, skeletal, muscular, circulatory and respiratory. Non-majors only. (3 hours lecture, 2 hours laboratory.)
Prerequisites: Departmental approval; non-majors only. Special fee.

BIOL 245

ANATOMY AND PHYSIOLOGY OF MAMMALS II 4.0

The structure and function of the organ systems - nervous, excretory, endocrine, digestive and reproductive. (3 hours lecture, 2 hours laboratory.) Not for Biology majors.
Prerequisites: BIOL 244; non-majors only; departmental approval. Special fee.

BIOL 254

APPLIED MICROBIOLOGY 3.0

Microbiological concepts and techniques applicable to food and dairy processing, health and disease, water, waste and other environmental problems. (2 hours lecture, 3 hours laboratory.)
Prerequisite: CHEM 130. Special fee.

BIOL 255

SURVEY OF MICROBIOLOGY 4.0

Microbiological concepts and techniques applicable to medical, health and environmental problems. (3 hours lecture, 2 hours laboratory.) Not for Biology majors.
Prerequisite: CHEM 110 and 112; non-biology majors only. Special fee.

BIOL 300

ENVIRONMENTAL BIOLOGY AND RELATED CONTROVERSIAL ISSUES 3.0

Analysis of ecological problems of today's population trends and control, food production, environmental deterioration, waste disposal, etc.
Prerequisite: BIOL 213.

BIOL 310

PRINCIPLES OF TOXICOLOGY I 3.0

Examination of the major classes of toxic agents by identifying characteristics of their toxicity and factors which modify this outcome.
Prerequisite: BIOL 230 and CHEM 231.

BIOL 330

INTRODUCTION TO ANIMAL BEHAVIOR 3.0

Concepts and theories of the sensory world of animals and behavioral patterns resulting in environmental adaptations. 
Prerequisites: BIOL 113 (or BIOL 132 if completed prior to Fall 2002).

BIOL 350

MICROBIOLOGY 4.0

A study of bacteria, yeast, molds and other microorganisms in relation to modern biological concepts and the welfare of man. Standard techniques employed in the laboratory. (3 hours lecture, 3 hours laboratory.)
Prerequisite: BIOL 213. Special fee.

BIOL 370

PRINCIPLES OF ECOLOGY 3.0

To acquaint biology majors with the general principles of ecology, population dynamics and adaptations of plants and animals to the various habitats. (2 hours lecture, 2 hours laboratory.)
Prerequisites: BIOL 213. Special fee.

BIOL 380

GENETICS 4.0

Lecture and lab. Heredity, gene and chromosomal structure and function, gene regulation, mutation and repair, genes in populations, genetic manipulation, and applied genetics are covered. Lab exercises demonstrate genetic concepts. A semester-long project with research paper is required. Required of all Biology majors and minors. Meets the University Writing Requirement for BICM, BIED, BIES, BIOL, MOBI, SIBC, SICS, SIMB majors. (3 hours lecture, 3 hours laboratory.)
Prerequisites: BIOL 230 with a grade of "C–" or better and CHEM 120. Special fee.
Prerequisites: BIOL 230, BIOL 380, and CHEM 231. Special fee.

Introduction to transmission electron microscopy. Basic theory and practice of electron microscopy. Specimen preparation ultramicrotomy, microscopy, photographic preparation of final print, interpretation of results. (3 hours lecture, 3 hours laboratory.) Prerequisite: BIOL 230. Special fee.

Pattern formation, signaling mechanisms, and the cellular and molecular processes underlying differentiation, cell movements, inductive interactions in animals, long-range signaling mechanisms, and the cellular and molecular processes underlying pattern formation. Prerequisites: BIOL 230, BIOL 380, and CHEM 231. Special fee.

Developmental biology. This course discusses the concepts and principles that are rapidly emerging from studies of developmental processes in animals. We shall consider egg organization, origins of cell differences, molecular mechanisms of cell differentiation, cell movements, inductive interactions in animals, long-range signaling mechanisms, and the cellular and molecular processes underlying pattern formation. Prerequisites: BIOL 230, BIOL 380, and CHEM 231. Special fee.

Introduction to pharmaceuticals that have biological effects, with special emphasis on those with medical importance. Prerequisites: BIOL 230 and CHEM 230. Special fee.

A laboratory course that will introduce biology and molecular biology majors to the basic techniques of modern molecular biology. Techniques to be covered include nucleic acid isolation, restriction enzyme mapping, plastid manipulation and subcloning, genomic library construction, PCR amplification, and DNA sequence analysis. (6 hours laboratory). Prerequisite: BIOL 434. Special fee.

The focus of the course is on the ecological and evolutionary processes that shape the natural histories of aquatic and terrestrial animals. Integrated lecture and laboratory investigations will explore the anatomy, physiology, diversity, ecology and evolutionary significance of animal clades. The course is designed to fulfill major elective requirements of the biology major. Prerequisite: BIOL 213. Special fee.

Functional mammalian anatomy at the microscopic and gross level. Laboratory dissection of the cat and study of selected organs and anatomical models. (3 hours lecture, 3 hours laboratory.) Prerequisite: BIOL 113 with a grade of "C-" or better (or BIOL 132 with a grade of "C-" or better if completed prior to Fall 2002). Special fee.

Functional animal organs and systems with emphasis on maintenance of homeostasis. Prerequisites: BIOL 113 (or BIOL 132 if completed prior to Fall 2002), and BIOL 230 with a grade of "C-" or better, and CHEM 230. Special fee.

Developmental anatomy of the vertebrates, especially amphibian, chick and human. General concepts of development and cell differentiation. (Not offered every year.) Prerequisites: BIOL 113 (or BIOL 132 if completed prior to Fall 2002), and BIOL 230. Special fee.

Advanced course in cell function. Prerequisites: BIOL 230 with a grade of "C-" or better, and CHEM 230.

Cellular and humoral immune responses, immunoglobulins, antigen-antibody reactions, immunopathology, transplantation, and blood transfusion. (Not offered every year.) Prerequisites: BIOL 230 with a grade of "C-" or better, and CHEM 230.

Basic anatomy and physiology of the mammalian endocrine glands with special attention directed to the human endocrine glands. The interrelationships between the various endocrines including neural control and the role of these glands in maintaining the homeostasis of the body will be stressed. Prerequisite: BIOL 230 with a grade of "C-" or better, and CHEM 230.

Introduction to the study of chemicals that have biological effects, with special emphasis on those with medical importance. Prerequisites: BIOL 230 and CHEM 230.
BIOL 448
MAMMALIAN MICROANATOMY 4.0
Detailed examination of mammalian tissues using both light and electron micrographic analyses. Epithelial, connective, muscle, nervous and gametic tissues will be thoroughly examined as they occur structurally and functionally within mammalian organ systems. Special fee.
Prerequisite: BIOL 113 (or BIOL 132 if completed prior to Fall 2002) and BIOL 230.

BIOL 450
MEDICAL MICROBIOLOGY 3.0
The course is designed to acquaint the Biology major with those microorganisms which cause disease, the prevention of disease, therapeutic agents to control microbial diseases and the body’s natural defense mechanisms. Special fee.
Prerequisite: BIOL 350.

BIOL 457
VIROLOGY 3.0
This course will develop the fundamental principles of modern virology and examine the connection between viruses and disease. It will examine the molecular biology of virus replication, infection, gene expression, the structure of virus particles and genomes, pathogenesis, and classification of viruses. Special fee.
Prerequisite: BIOL 230.

BIOL 460
BIOLOGICAL OCEANOGRAPHY 3.0
Biological processes within oceans and estuaries are considered in relation to the physical environment. Field and laboratory work. (Not offered every year.) Special fee.
Prerequisites: BIOL 213. Special fee.

BIOL 461
AQUATIC ECOLOGY 3.0
Biological and physical processes of rivers and lakes. Field work and laboratory. (Not offered every year.) Special fee.
Prerequisite: BIOL 112 and 113 (or BIOL 120 and BIOL 132 if completed prior to Fall 2002) or departmental approval. Special fee.

BIOL 471
BIOMEDICAL ETHICS 2.0
Seminar course dealing with ethical dilemmas posed by advances in biomedical technology. Background readings in ethics will be followed by discussions of readings on the applications and consequences of modern biomedical research. Special fee.
Prerequisites: BIOL 380.

BIOL 475
MEDICAL GENETICS 3.0
A detailed study and analysis of human genetics, inborn genetic diseases, genomics, gene therapy, and the Human Genome Project. Special fee.
Prerequisites: BIOL 380 with a grade of "C" or better; CHEM 230.

BIOL 476
BIOLOGY OF CANCER 3.0
An in-depth examination of the biology of cancer, including risk factors, genetics, causes of cancer, metastasis, therapies (conventional and recombinant DNA), and prevention will be presented. This course will also help students develop proficiency in critically evaluating primary scientific articles dealing with cancer. Special fee.
Prerequisites: BIOL 230 and BIOL 380 and CHEM 231.

BIOL 480
RESEARCH COMMUNITY I: ORGANISM BIOLOGY 4.0
Survey of topics and techniques in contemporary organism biology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the organism level. Students will prepare and present a scientific research proposal for peer and faculty review. Special fee.
Prerequisites: BIOL 112 and 113 (or BIOL 120 and BIOL 132 if completed prior to Fall 2002); and BIOL 230, BIOL 230, CHEM 231 and CHEM 232; or departmental approval. Special fee.

BIOL 481
RESEARCH COMMUNITY II: ORGANISM BIOLOGY 4.0
Team-based independent research on topics in contemporary organismal biology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 480. Students will ultimately prepare and present a scientific research paper for peer and faculty review. Special fee.
Prerequisite: BIOL 480.

BIOL 482
RESEARCH COMMUNITY I: MOLECULAR BIOLOGY 4.0
Survey of topics and techniques in contemporary molecular biology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the molecular level. Students will prepare and present a scientific research proposal for peer and faculty review. Special fee.
Prerequisites: BIOL 112 and BIOL 113, (or BIOL 120 and BIOL 132 if completed prior to Fall 2002); and BIOL 213, BIOL 230, CHEM 231 and CHEM 232; or departmental approval. Special fee.

BIOL 483
RESEARCH COMMUNITY II: MOLECULAR BIOLOGY 4.0
Team-based independent research on topics in contemporary molecular biology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 482. Students will ultimately prepare and present a scientific research paper for peer and faculty review. Special fee.
Prerequisite: BIOL 482.

BIOL 484
RESEARCH COMMUNITY I: ECOLOGY 4.0
Survey of topics and techniques in contemporary ecology research. Exploration and integration of molecular, cellular, physiological, population and ecological phenomena as they relate to biology at the ecological level. Students will prepare and present a scientific research proposal for peer and faculty review. Special fee.
Prerequisites: BIOL 112 and BIOL 113 (or BIOL 120 and BIOL 132 if completed prior to Fall 2002); and BIOL 213, BIOL 230, CHEM 231 and CHEM 232; or departmental approval. Special fee.

BIOL 485
RESEARCH COMMUNITY II: ECOLOGY 4.0
Team-based independent research on topics in contemporary ecology. Students will conduct experimental explorations designed in the prerequisite course, BIOL 484. Students will ultimately prepare and present a scientific research paper for peer and faculty review. Special fee.
Prerequisite: BIOL 484.

BIOL 486
SELECTED TOPICS IN BIOLOGY 3.0-4.0
This course will acquaint the student with recent developments and specialized content in the biological sciences. Examples of topic areas are: vision science, biological modeling, forensic entomology, disease ecology, pathophysiology, and mitochondrial genomics. This course is designed to fulfill elective requirements of the biology major. This course may be repeated once for a maximum of eight credits. Special fee.
Prerequisites: BIOL 213 and BIOL 230 or permission of instructor.

BIOL 490
SENIOR SEMINAR IN BIOLOGY 2.0
Course which will allow the advanced undergraduate student to study a single topic in depth. This course would allow the students an opportunity to integrate the principles of several areas (ecology, physiology, genetics, etc.) of biology in the study of a single topic. This required course for Biology seniors will have a seminar format. Special fee.
Prerequisite: Senior status; biology and molecular biology majors only.

BIOL 491
RESEARCH IN BIOLOGY LITERATURE 1.0
Each student will survey current biological literature pertinent to a specific problem. A comprehensive report is required. Special fee.
Prerequisites: BIOL 230 with a grade of "C-" or better.
BIOL 492
SENIOR COLLOQUIUM 1.0
Students in this course will read primary resources material and interpret the data. This course will also teach students how to read, critique, and present scientific data to a peer group. Students will analyze, discuss, and present primary research articles with respect to scientific content, accuracy of the data and significance of the experiments.

Prerequisite: Senior status.

BIOL 497
GENOMICICS 3.0
The course will examine the associations among nucleic acid sequence (RNA and DNA), structure, and function in complex biological systems, while treating these systems as biological databases. Both computer program-based and laboratory method will be discussed to better understand the relationship between nucleic acid sequence and function. Future opportunities and current limitations of genome analyses will be critically addressed.

Prerequisites: BIOL 380, CMPT 183, CHEM 470.

BIOL 498
PROTEOMICS 3.0
Proteomics is the study of the sum total of the proteins in an organism. This course will examine advanced methods of protein expression analysis, elucidation of protein-protein interactions, and functional analysis of all proteins.

Prerequisites: BIOL 380, CMPT 183, CHEM 470.

BIMS 220
INTRODUCTION TO MARINE BIOLOGY 4.0
A field and laboratory oriented course covering the characteristics of marine plants and animals. The course is designed to provide the student with experience in collecting and identifying local marine flora and fauna.

BIMS 422
BIOLOGY OF MARINE PLANKTON 2.0
A study of the marine phytoplankton and zooplankton, their collection, analysis and interpretation. Their role in the ecosystem will be stressed as will be their distribution, particularly those of the near shore and estuarine environment. Field trips will be made to coastal New Jersey. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 422.

BIMS 426
MARINE ENERGY SYSTEMS 2.0

BIMS 431
MARINE INVERTEBRATE ZOOLOGY 4.0
A study of the invertebrates living in the marine realm with emphasis on the interrelations of these animals to their particular environment. Field work will include studies of the pelagic and benthonic forms associated with estuaries and the continental shelf. Also offered at the site of the New Jersey Marine Sciences Consortium.

BIMS 433
SEASHORE ORNITHOLOGY 2.0
Field identification of birds of the ocean, salt marsh, sand dunes, and adjacent land areas. Includes discussion of habits and ecology. Offered at NJ Marine Sciences Consortium.

BIMS 438
SEASHORE ENTOMOLOGY 2.0
Ecological studies of the insect fauna found in the unique habitats of the (1) intertidal zone, (2) coastal sand dunes and (3) salt marsh found along the New Jersey shoreline.

BIMS 450
MARINE BOTANY 4.0
An introduction to the structure, systematics, physiology and ecology of algae and metaphyta of the marine environment. Emphasis will be placed on the flora of the estuarv and tidal marsh. Biology of the associated phytoplankton will be studied. Offered at the site of the New Jersey Marine Sciences Consortium. Cross listed with Earth and Environmental Studies, PHMS 450.

BIMS 455
MARSH AND DUNE VEGETATION 2.0
A field and laboratory study of the plant communities that inhabit the sand dunes and marshes of the coastal zone of New Jersey. The diversity of the forms of plant life and their adaptations and ecological roles. The collection and identification of individual plant species. Also offered at the site of the New Jersey Marine Sciences Consortium.

BIMS 460
ADVANCED MARINE BIOLOGY 4.0
Interrelationships of marine animals and plants. Ecological response to physical and chemical parameters. Principles such as zonation, succession, ecosystem structure, and physiological response will be examined through lectures, field projects and laboratory study.

Prerequisites: BIOL 112 and BIOL 113 (or BIOL 120 and BIOL 132 if completed prior to Fall 2002) or departmental approval.

BIMS 490
FIELD METHODS IN THE MARINE SCIENCES 4.0
The application and techniques of marine sampling, including those of biology, chemistry, geology, meteorology and physics. The nature and role of various pieces of sampling equipment. Field experience at the New Jersey Marine Sciences Consortium. (2 hours lecture; 4 hours lab.)

BIMS 491
PLANKTON SAMPLING AND ANALYSIS 1.0

BIMS 494
PRIMARY PRODUCTION IN THE MARINE ENVIRONMENT 1.0
Theory and techniques of primary production measurement. New Jersey Marine Sciences Consortium.
SCHOOL OF THE ARTS
Chairperson: Lawrence Landler

The Department of Broadcasting provides students the opportunity to earn a liberal arts baccalaureate degree while simultaneously being exposed to fundamental training in the field of electronic media production. The emphasis of the curriculum is on the writing, producing, and directing of fresh, innovative ideas for electronic media presentation, coupled with a strong theoretical background in the history and contemporary issues surrounding the development of the electronic communication industries in the United States. While the curriculum is not designed to train professional craftspeople, students with an interest in and an aptitude for specific craft disciplines (e.g., videography, editing, technical directing) are provided opportunities to gain access to state-of-the-art production equipment for self-directed practical training.

Special features of the academic program include: internships at major broadcasting facilities; an adjunct faculty of high-level broadcasting executives and producers; student participation in the production of in-house videos for the University as well as our own weekly award-winning cable television program, Carpe Diem; production competitions; and association with professional organizations such as the National Academy of Television Arts and Sciences (NATAS), American Women in Radio and Television (AWRT), and the University Film and Video Association (UFVA).

The Department of Broadcasting requires an interview for admission to the program. The dates and requirements for department admissions and interviews may be obtained from the Admissions Office or by calling the Department of Broadcasting at (973) 655-7870.

Broadcasting Major—B.A.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCM 101</td>
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<td>BDCS 101</td>
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</tr>
<tr>
<td>BDCS 350</td>
<td>4</td>
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</table>

Major Electives

Select five courses to total at least 15 semester hours from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDCS 250</td>
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<tr>
<td>BDCS 260</td>
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<tr>
<td>BDCS 270</td>
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<tr>
<td>BDCS 282</td>
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<td>BDCS 315</td>
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<td>BDCS 340</td>
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<td>BDCS 351</td>
<td>1-3</td>
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<td>BDCS 353</td>
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<tr>
<td>BDCS 360</td>
<td>3</td>
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<tr>
<td>BDCS 391</td>
<td>3</td>
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<td>BDCS 395</td>
<td>3</td>
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<tr>
<td>BDCS 403</td>
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<td>BDCS 440</td>
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<td>BDCS 470</td>
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<tr>
<td>BDCS 480</td>
<td>1-3</td>
</tr>
<tr>
<td>BDCS 490</td>
<td>4-6</td>
</tr>
</tbody>
</table>

*This number is used for various course offerings which are not regularly scheduled, and may be repeated when a different course title is offered.

**Not more than 3 semester hours may be counted toward the Broadcasting major.

***Not more than 6 semester hours may be counted toward the Broadcasting major.

Courses of Instruction

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDCS 100</td>
<td>FRESHMAN SEMINAR IN BROADCASTING</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>An experience for freshman broadcasting majors designed to introduce them to the policies, procedures, and general life flow of the DuMont Television Center, the Department of Broadcasting, and the University. Meets Gen Ed 2002—New Student Seminar. Corequisite: BDCS 101.</td>
<td></td>
</tr>
<tr>
<td>BDCS 101</td>
<td>INTRODUCTION TO THE BROADCASTING MEDIUM</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>A survey of the history, organization and current structure of radio, television and hybrid technologies; societal and cultural influences of electronic broadcast media; introduction to practical and theoretical concepts of studio production. Prerequisite: Broadcasting majors only.</td>
<td></td>
</tr>
<tr>
<td>BDCS 140</td>
<td>WRITING FOR THE BROADCASTING MEDIA</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Writing of continuity and dramatic materials for the broadcast media, including news, commercials, and drama. Meets the University Writing Requirement for BRCA majors. Prerequisite: BDCS 101; Broadcasting majors only.</td>
<td></td>
</tr>
<tr>
<td>BDCS 150</td>
<td>AUDIO PRODUCTION</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>A fundamental workshop exploring the properties of sound as both a separate creative medium and as a supplemental tool for the visual image; studio and location recording, editing, and mixing. Prerequisite: BDCS 101; Broadcasting majors only. Special fee.</td>
<td></td>
</tr>
<tr>
<td>BDCS 220</td>
<td>HOW TO WATCH TELEVISION</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>This course, open to both broadcasting majors and non-majors, is about analyzing televisual effects in terms of how and to what extent it needs to be understood by its audience. The aim is for students to critically evaluate the role and impact of television in their lives as well as in the life of the culture. The means to achieve this aim is an approach that combines media theory and criticism with media education.</td>
<td></td>
</tr>
<tr>
<td>BDCS 250</td>
<td>SOUND DESIGN</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>This production-oriented class will explore the aesthetics and techniques of sound design for radio, television, and film. Students will analyze professional sound designs in these media and create their own using both analog and digital technology. Prerequisites: BDCS 150; Broadcasting majors only. Special fee.</td>
<td></td>
</tr>
<tr>
<td>BDCS 251</td>
<td>TELEVISION PRODUCTION I</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>A workshop presenting the fundamentals of studio television production; opportunity to demonstrate creative potential through short studio productions; emphasis upon the idea, and principles of camera blocking. Prerequisites: BDCS 140; BDCS 150; Broadcasting majors only; departmental approval. Special fee.</td>
<td></td>
</tr>
<tr>
<td>BDCS 252</td>
<td>TELEVISION PRODUCTION II</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>An intermediate workshop presenting opportunities for the production of programs of various types to be aired on cable outlets; introduction to EFIP (electronic field production) and off-line post-production techniques; continued emphasis upon program concept. Prerequisite: BDCS 251; Broadcasting majors only; departmental approval. Special fee.</td>
<td></td>
</tr>
<tr>
<td>BDCS 253</td>
<td>TELEVISION PRACTICUM</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>Students participate in a designated number of hours of television production for the closed circuit television facility as well as other production opportunities. May be repeated for a maximum of four credits. Prerequisite: BDCS 251; Broadcasting majors only; departmental approval.</td>
<td></td>
</tr>
</tbody>
</table>
BDCS 260  
**HISTORY OF TELEVISION**  3.0  
An examination of the history of television programming in the United States. Students view original programs that constitute some of the key moments in television history and assess their significance based on aesthetic, content-oriented, technological, sociological, and political-economic points of view.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 270  
**SPECIAL TOPICS IN BROADCASTING**  3.0  
This course is specifically intended for lower division (freshman and sophomore) students. It provides an umbrella to offer a variety of specialized, introductory level topics which do not justify establishing a permanent course. Examples of subjects to be addressed are: specialized trends in television programming; the history of television networks; television news; television in the courtroom; First Amendment issues as they relate to broadcasting; sports on television; the social impact of modern radio talk formats; and broadcast regulation. May be repeated for a maximum of nine credits.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 282  
**MEDIA AND CULTURE**  3.0  
The ways in which the broadcast media affect mass culture and consequently the values and mores of society; includes the history of mass culture and the mechanisms by which diverse forces of society (i.e., minority cultures, political trends or technological innovations) affect mass culture.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 293  
**PROGRAMMING**  3.0  
A structural and critical examination of broadcast and cable television programming, including program production/acquisition, scheduling, and evaluation. An overview of programming strategies and techniques, sources, genres, regulation, issues and trends.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 315  
**POLITICAL BROADCASTING**  3.0  
A survey of the history of political broadcasting beginning with radio and concentrating on television; analysis of the relationship between broadcasting and the political process, to include campaigning for office, the election and how broadcasting helps or hinders the art of governing.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 340  
**INTRODUCTION TO MULTITRACK RECORDING**  3.0  
This production course will introduce students to the concepts and production techniques used in multitrack recording. The class will explore the impact these techniques have had on music and sound design for television and film, as well as their creative use in a studio environment. Students will complete several recording projects as part of the course requirements.  
*Prerequisite: BDCS 150, Special fee.*

BDCS 350  
**TELEVISION PRODUCTION III**  4.0  
Advanced workshop providing opportunity for pre-professional level production for distribution off-campus; emphasis on selection of quality properties for production; introduction to on-line post-production techniques.  
*Prerequisites: BDCS 252; Broadcasting majors only; departmental approval. Special fee.*

BDCS 351  
**CRAFT WORKSHOP**  1.0-3.0  
Designated students work closely under the supervision of studio operations personnel/technicians to concentrate on the maintenance and operation of the DuMont Television Center facility. Opportunity for students to work intensively with advanced production hardware. May be repeated for a maximum of three credits.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 352  
**POST-PRODUCTION WORKSHOP**  3.0  
A hands-on workshop that is run in conjunction with BDCS 252, Television Production II. Students are introduced to the editing facilities of the DuMont Television Center and to production techniques in both audio and video editing and post-production that are designed to maximize their abilities to produce television programming.  
*Prerequisite: BDCS 251. Corequisite: BDCS 252.*

BDCS 353  
**CHILDREN’S TELEVISION**  3.0  
A survey of current children’s productions and examination of research on their affect/effectiveness; work on class productions designed for children.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 360  
**STATION MANAGEMENT**  3.0  
Economic support patterns, evolution of broadcast programming; ascertainment of community needs; station promotion and advertising; legal and ethical issues relating to broadcasting.  
*Prerequisites: BDCS 101; Broadcasting majors only.*

BDCS 391  
**INTERNATIONAL BROADCASTING**  3.0  
This course will explore the history and development of broadcasting systems other than our own. Major broadcasting systems include England, Australia, Canada, Japan, Russia (and former Soviet Union satellites), France and Italy. The course will trace the effects of various political systems on the system of broadcasting, dealing with such issues as accessibility, privacy and freedom of speech. Students will examine the reasons for the demise of Radio Free Europe and other international broadcast services. The course will also address the effect of changing technologies on international communications (i.e., satellites, fiber optics, HDTV).  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 395  
**ETHICS OF MASS COMMUNICATION**  3.0  
A survey and analysis of major legal and ethical issues in broadcasting and mass communication.  
*Prerequisite: BDCS 101; Broadcasting majors only.*

BDCS 403  
**INDEPENDENT STUDY**  1.0-3.0  
Opportunity to obtain credit for independent research projects; students must obtain approval from the division coordinator before registration period for the semester of the independent study; generally not for production projects.  
*Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.*

BDCS 440  
**ELECTRONIC JOURNALISM**  3.0  
Practical training in gathering, writing and producing of news story packages for incorporation into a studio news show. Demonstration and application of ENG (electronic news gathering) techniques related to production.  
*Prerequisite: BDCS 101; Broadcasting majors only. Special fee.*

BDCS 450  
**SENIOR SEMINAR IN BROADCASTING**  3.0  
The course is designed to prepare students for the transition from student to working professional with an emphasis on writing, interviewing, networking, job availability and possibilities, and professional conduct. Guest speakers from the industry will provide advice for obtaining and maintaining employment.  
*Prerequisite: BDCS 350 or departmental approval.*

BDCS 470  
**SPECIAL STUDIES IN BROADCASTING**  3.0  
Various topics offered depending upon program needs and available professional part-time faculty. Usually deals with some professional aspects of the broadcast field or special study of the broadcast media. May be repeated for a maximum of 24 credits.  
*Prerequisites: BDCS 101; Broadcasting majors only. Special fee.*
BDCS 480
TELEVISION PRODUCTION COMPANY  1.0-3.0
Senior level broadcast laboratory in which students function in some key role
in a production unit which produces professional television production for
distribution on- and off-campus. May be repeated for a maximum of nine
credits.
Prerequisites: BDCS 101; Broadcasting majors only; departmental approval.
Special fee.

BDCS 490
INTERNSHIP: BROADCASTING  4.0-16.0
Advanced students fulfill a portion of major requirements working for a
professional or contract broadcasting-related company.
Prerequisite: BDCS 101; Broadcasting majors only; departmental approval.
BUSINESS ADMINISTRATION

SCHOOL OF BUSINESS
Dean: Alan J. Oppenheim

A Bachelor of Science degree is offered in Business Administration with concentrations in Accounting, Economics, Finance, International Business, Management, Management Information Systems (MIS), Marketing, Quantitative Methods, and Retail Merchandising and Management. Please refer to the index for specific page numbers for the concentrations.

APPLICATIONS TO THE SCHOOL OF BUSINESS

A student may apply directly to the B.S. in Business Administration as a first year applicant or as a transfer student (see below). If the student is not admitted to MSU as a Business Administration major, he or she may change to that major by satisfying certain requirements (see "Changing Major to Business Administration" below).

Please note: Regardless of the number of semester hours taken, if the student does not satisfy the School of Business (SBUS) eligibility requirements, it will not be possible to earn the B.S. in Business Administration degree.

Students interested in majoring in Business Administration are encouraged to fulfill these requirements and apply as soon as possible, to ensure that any courses taken in Business will apply to the degree program.

TRANSFER APPLICATIONS - BUSINESS ADMINISTRATION

About one-third of the students entering MSU have attended another college or university. To apply for direct admission as a Business Administration major, transfer applicants must have earned at least 15 credits at an accredited college or university, with a grade point average (GPA) of 2.75 or better; they also must have a 2.75 GPA in authorized equivalents of the four (4) courses listed below. Please carefully note the effective date(s) as these requirements have changed as of fall 2002.

If a student has not met all these requirements upon application, he or she may be admitted to MSU as "Undeclared," or in another major, and then apply to the SBUS as follows:

CHANGING MAJOR TO BUSINESS

To be eligible to change a major to Business Administration, the following criteria must be met:

• Completion of at least 12 semester hours at MSU, with an overall GPA of at least 2.75.
• At least a 2.75 GPA in the four (4) specific courses listed below, according to the date of MSU admission. Please carefully note the effective date(s) as these requirements have changed as of fall 2002.
• If a student’s overall GPA is 3.25 or better, a 2.75 GPA in three (3) of these courses - one from each area is required.

If a student began at Montclair State University as a first-year student BEFORE fall 2002, or as a transfer student BEFORE January 2004, the four (4) required courses are:

AREA 1 - take one or both:
- MATH 113 Math for Business I: Linear Algebra
- MATH 114 Math for Business II: Calculus

AREA 2 - take one or both:
- ECON 101 Principles of Economics: Macro
- ECON 102 Principles of Economics: Micro

AREA 3 - Anthropology, Psychology, or Sociology

If a student began at Montclair State University as a first-year student AS OF/SINCE fall 2002, or as a transfer student AS OF/SINCE January 2004, the four (4) required courses are:

Either
- MATH 114 Math for Business II: Calculus
or
- ECON 101 Principles of Economics: Macro

Both*
- ECON 102 Principles of Economics: Micro
and
- ENWR 105 College Writing I: Intellectual Prose

*(or 6 semester hours of authorized equivalents.)

Change of Major Application forms may be obtained from the SBUS Dean’s office, Partridge Hall 454, or on the web at montclair.edu/business/changeofmajor.html

Please note: A student may file the application while fulfilling these requirements. Courses limited to SBUS majors fill quickly, and the earlier the student applies and is accepted into the BS in Business Administration program, the likelier the student will be able to register for these courses.

For additional information and/or an appointment with the SBUS Transfer Advisor, call 973-655-4304.

Business Administration Major

Required Core, Business Administration (33 s.h.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ACCT 201 Fundamentals of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 202 Fundamentals of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BSLW 264 Legal, Ethical and Global Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FINC 321 Fundamentals of Finance</td>
<td>3</td>
</tr>
<tr>
<td>INFO 270 Statistics for Business</td>
<td>3</td>
</tr>
<tr>
<td>INFO 371 Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>INFO 375 Operations Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 231 Management Processes</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 439 Business Policy</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 240 Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 346 Introduction to International Business</td>
<td>3</td>
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Collateral Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ECON 101 Principles of Economics: Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>INFO 273 Introduction to Computers in Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 114 Mathematics for Business II: Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Concentration Courses (12-18 s.h.)

Major/Concentration Electives (9-15 s.h.)

Other Electives (depending on the concentration)
CHEMISTRY AND BIOCHEMISTRY

COLLEGE OF SCIENCE AND MATHEMATICS
Chairperson: Marc Kasner

The Chemistry and Biochemistry Department offers two majors leading to the degree of Bachelor of Science, Chemistry and Biochemistry. A student who chooses the chemistry major can prepare for graduate study in chemistry or biochemistry, professional employment, professional education in fields related to science, or teacher certification. The courses meet the undergraduate criteria established by the American Chemical Society (ACS). The chemistry major is included in the ACS list of approved programs. The student can complete ACS requirements and be certified to the Society upon graduation.

The student who chooses the biochemistry major will emerge with a strong background in the basic sciences and mathematics as well as biochemistry and will qualify for graduate study in biochemistry or professional employment.

With appropriate elective course selections, students in either major can satisfy the requirements for pre-health professional programs (pre-medical, pre-dental or pre-chiropractic).

The curriculum is designed for students who have had high school chemistry, biology and physics, as well as four years of high school mathematics.

The department sponsors a challenging honors program for chemistry majors with outstanding academic records (at least 3.70 grade point average), an undergraduate research program, and offers cooperative education work experiences. Those interested should see the department chairperson for information.

### Chemistry Major

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>CHEM 120</td>
<td>General Chemistry I</td>
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<tr>
<td>CHEM 121</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 230</td>
<td>Organic Chemistry, I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>Organic Chemistry, II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>Experimental Organic Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Experimental Organic Chemistry II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 310</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 311</td>
<td>Instrumental Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 340</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Physical Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 343</td>
<td>Experimental Physical Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 470</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>The Chemical Literature</td>
<td>1</td>
</tr>
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</table>

**Collateral Courses**

<table>
<thead>
<tr>
<th>Mathematics Courses:</th>
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<tbody>
<tr>
<td>MATH 122 Calculus I</td>
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<tr>
<td>MATH 221 Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Two Physics Courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 191 University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 192 University Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives (Major)**

Select 6 semester hours from among the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 230</td>
<td>Environmental Chemical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 410</td>
<td>Advanced Quantitative Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 422</td>
<td>Experimental Inorganic Chemistry*</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 423</td>
<td>Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 430</td>
<td>Advanced Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 440</td>
<td>Advanced Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 471</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 472</td>
<td>Experimental Biochemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 490</td>
<td>Selected Topics in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 498</td>
<td>Senior Laboratory*</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 499</td>
<td>Undergraduate Research*</td>
<td>1-3</td>
</tr>
</tbody>
</table>

*Courses used to fulfill the elective requirement for the chemistry major can also be used to fulfill requirement #1 for ACS Certification. This restriction does not apply to ACS Certification requirements #2 and #3. Completion of ACS Certification requirements will, therefore, add from 3 to 9 s.h.'s to the 61 s.h.'s required for completion of the B.S. in Chemistry.

### Biochemistry Major

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120</td>
<td>General Chemistry I</td>
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</tr>
<tr>
<td>CHEM 121</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 230</td>
<td>Organic Chemistry, I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>Organic Chemistry, II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>Experimental Organic Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Experimental Organic Chemistry II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 310</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 311</td>
<td>Instrumental Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 340</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Physical Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 470</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 472</td>
<td>Experimental Biochemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 473</td>
<td>Instrumental Biochemistry Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 496</td>
<td>Biochemical Literature</td>
<td>1</td>
</tr>
</tbody>
</table>

**Collateral Courses**

<table>
<thead>
<tr>
<th>Four Biology Courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 230 Cell and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 350 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 380 Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 434 Introductory Molecular Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Two Mathematics Courses:**

<table>
<thead>
<tr>
<th>Mathematics Courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 122 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 221 Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Two Physics Courses:**

<table>
<thead>
<tr>
<th>Physics Courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 191 University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 192 University Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Special Program Requirements**

B.S. in Chemistry with American Chemical Society Certification, 10

In addition to completing the requirements for the Chemistry major, students who complete the requirements below will be certified by the American Chemical Society on Professional Training:

1. One of the following courses:
   - CHEM 410 Advanced Quantitative Analysis
   - CHEM 430 Advanced Organic Chemistry
   - CHEM 440 Advanced Physical Chemistry
2. CHEM 423 Advanced Inorganic Chemistry
3. One of the following:
   - CHEM 422 Experimental Inorganic Chemistry
   - CHEM 498 Senior Laboratory
   - CHEM 499 Undergraduate Research (minimum)
Honors Program in Chemistry
Chemistry majors can apply for admission to the honors program in chemistry during their sophomore or junior years. Students accepted into the program will be required to take (in addition to the regular chemistry major) the following courses:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 491</td>
<td>Honors Seminar in Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 492</td>
<td>Honors Thesis in Chemistry</td>
<td>2</td>
</tr>
</tbody>
</table>

Interested students should contact the department chairperson.

Teacher Certification
Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Physical Science
An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the Chemistry and Biochemistry Department.

Courses of Instruction

CHEM 100
INTRODUCTORY CHEMISTRY                      4.0
An introductory lecture and laboratory course in modern chemistry for non-science majors. Topics include plastics, pesticides, food additives, fuels, drugs, water and air pollutants, nuclear energy and modern materials. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite: Special fee.

CHEM 107
COLLEGE CHEMISTRY I                        2.0
Introductory chemistry course for non-science majors. Fundamentals of inorganic chemistry.

CHEM 108
COLLEGE CHEMISTRY II                       2.0
Introductory chemistry course for non-science majors. Fundamentals of organic and biochemistry.

Prerequisite: CHEM 107.

CHEM 109
COLLEGE CHEMISTRY LABORATORY I             1.0
Laboratory work to reinforce basic concepts of inorganic chemistry. Taken concurrent with CHEM 107 or CHEM 111.

Corequisite: CHEM 107 or CHEM 111. Special fee.

CHEM 110
COLLEGE CHEMISTRY LABORATORY II            1.0
Laboratory work to reinforce basic concepts of organic chemistry and biochemistry. Taken concurrent with CHEM 108 or CHEM 112.

Prerequisite: CHEM 109. Special fee.

Corequisite: CHEM 108 or CHEM 112.

CHEM 111
ELEMENTS OF CHEMISTRY I                    3.0
Basic concepts of general chemistry for non-science majors. This course goes into greater depth than CHEM 107 and is required for Food and Nutrition majors.

CHEM 112
ELEMENTS OF CHEMISTRY II                   3.0
A study of human biochemistry with emphasis on biomolecules, metabolism, and bioenergetics.

Prerequisite: CHEM 111.

CHEM 120
GENERAL CHEMISTRY I                        4.0
Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to atomic and molecular structure, bonding, stoichiometry, states of matter, solutions, and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science.

Prerequisite: One year high school chemistry. Special fee.

CHEM 121
GENERAL CHEMISTRY II                       4.0
Introductory lecture and laboratory course for science majors, prerequisite for all advanced chemistry courses. Introduction to thermochemistry, kinetics; general acid base, precipitation, redox equilibria, electrochemistry and selected topics in descriptive inorganic chemistry. Laboratory stresses techniques and data treatment and their use in examining chemical systems.

Prerequisite: CHEM 120. Special fee.

CHEM 130
FUNDAMENTALS OF ORGANIC CHEMISTRY          4.0
Survey of organic chemistry covering all major classes, nomenclature, and characteristic class reactions. (3 hours lecture, 2 hours laboratory.)

Prerequisite: CHEM 107 or CHEM 111 and CHEM 109. Special fee.

CHEM 190
FRESHMAN SEMINAR IN CHEMISTRY              1.0
An experience for freshmen majoring in chemistry and biochemistry that will help them to succeed in their major by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002 - New Student Seminar.

CHEM 195
PROBLEM SOLVING-GENERAL CHEMISTRY          1.0
Course designed to help students in application of mathematics in chemistry with emphasis on individual needs.

CHEM 199
LABORATORY PROJECT                        1.0-3.0
Independent laboratory work in chemistry under the guidance of a faculty mentor. May be repeated up to six times for a maximum of six credits.

Prerequisite: CHEM 120 or equivalent and departmental approval. Special fee.

CHEM 230
ORGANIC CHEMISTRY I                        3.0
Structure and bonding in organic compounds: nomenclature, reactions, properties, and aromatic compounds: stereochemistry; structure analysis by IR, NMR, UV, and MS; introduction to molecular orbital theory.

Prerequisite: CHEM 121.

CHEM 231
ORGANIC CHEMISTRY II                       3.0
Nomenclature, reactions, properties, and synthesis of ethers, epoxides, alcohols, amines, and carbonyl compounds; carboxydrates; amino acids, peptides and proteins; pericyclic reactions; synthetic polymers.

Prerequisite: CHEM 230.

CHEM 232
EXPERIMENTAL ORGANIC CHEMISTRY I           2.0
A laboratory course to be taken concurrently with CHEM 230. Basic techniques for the separation, analysis and synthesis of organic compounds: recrystallization, distillation, extraction, GC, HPLC, TLC, GC/MS, IR, H/1H-NMR, chemical safety methods and regulations.

Prerequisite or corequisite: CHEM 230. Special fee.

CHEM 233
EXPERIMENTAL ORGANIC CHEMISTRY II          2.0
A laboratory course to be taken concurrently with CHEM 231 and after completion of CHEM 232. Basic techniques for organic synthesis, mechanistic studies, separation and analysis, and chemical safety: multistep syntheses, spectral data-base searching, phase-transfer catalysis, anhydrous procedures, analysis of unknowns by wet-chemical and spectral methods.

Prerequisite or corequisite: CHEM 232. Special fee.
CHEM 270  
FUNDAMENTALS OF BIOCHEMISTRY 5.0  
Structure and function of the biomolecules and the metabolic interrelationships in the cell. Primarily for Food and Nutrition majors.  
Prerequisite: CHEM 130. Special fee.

CHEM 310  
ANALYTICAL CHEMISTRY 5.0  
Introduction to concepts of classical analytical chemistry including evaluation of data and apparatus, theory and application of volumetric and gravimetric methods and redox equilibrium, and introduction to electrical methods.  
Prerequisites: CHEM 231 and 233. Special fee.

CHEM 311  
INSTRUMENTAL ANALYSIS 4.0  
Introduction to application of instrumental methods of analytical chemistry. Instrument techniques studied will include spectrophotometry, electroanalytical chemistry, chromatography, nuclear magnetic resonance and mass spectrometry. Theory and application will be examined in lecture and laboratory.  
Prerequisites: CHEM 310 and 340. Special fee.

CHEM 320  
ENVIRONMENTAL CHEMICAL ANALYSIS 3.0  
A study of the sources, reactions, transport, effects, and fates of chemical species in the environment. Lecture and lab will stress the theory, methodology, techniques, and instrumentation for air, water and soil analysis for contaminants. (Two hours lecture, two hours laboratory.)  
Prerequisites: CHEM 230 and 232. Special fee.

CHEM 325  
ATMOSPHERIC CHEMISTRY 3.0  
Atmospheric chemistry of the major pollutants of concern in today’s environment, the emission sources, air/water and air/soil partitioning and exchange, atmospheric transport pathway, transformation processes (biological degradation, hydrolysis, photochemical transformations), deposition processes, pollutant chronic and acute health impacts, prevention and regulation. Course requirements: 2 field trips.  
Prerequisites: CHEM 230 and CHEM 232.

CHEM 340  
PHYSICAL CHEMISTRY I 3.0  
Thermodynamics, homogeneous and heterogeneous equilibria, gases, electrochemistry, solutions, colligative properties.  
Prerequisites: CHEM 231 and PHYS 192 and MATH 221.

CHEM 341  
PHYSICAL CHEMISTRY II 3.0  
Kinetics, photochemistry, molecular physical chemistry.  
Prerequisites: CHEM 340 and PHYS 192 and MATH 221.

CHEM 343  
EXPERIMENTAL PHYSICAL CHEMISTRY 2.0  
A laboratory course to be taken concurrently with CHEM 341. Application and experience with experimental techniques of physical chemistry. Students will perform experiments in calorimetry, measurement of thermodynamic variables, electro-chemical phenomena and kinetics. Analysis of experimental data, statistics and applications of microcomputers will be included. Meets the University Writing Requirement for CHEM majors.  
Prerequisites: CHEM 231 and 340 and MATH 222 and PHYS 192. Special fee.  
Corequisite: CHEM 341.

CHEM 422  
EXPERIMENTAL INORGANIC CHEMISTRY 3.0  
Experience utilizing a broad selection of modern techniques for the synthesis, characterization, and chemistry of inorganic compounds. Subjects covered will include catalysis, reaction mechanisms, and use in organic synthesis.  
Prerequisite: CHEM 310. Special fee.

CHEM 423  
ADVANCED INORGANIC CHEMISTRY 3.0  
Physical basis of bonding and reactivity of inorganic compounds. Electronic structure of atoms, ionic and covalent bonding, symmetry properties, chemistry and structure of transition metal compounds, organometallic chemistry, introduction to solid-state structures.  
Prerequisite or corequisite: CHEM 340.

CHEM 430  
ADVANCED ORGANIC CHEMISTRY 3.0  
Consideration of structural and electronic theories which form the basis of organic chemistry.  
Prerequisite: CHEM 231.

CHEM 440  
ADVANCED PHYSICAL CHEMISTRY 3.0  
Quantum mechanics, bonding theory, atomic structure, statistical thermodynamical calculations.  
Prerequisites: MATH 420 and CHEM 341.

CHEM 470  
BIOCHEMISTRY I 3.0  
Organization of the living cell; structure, function and chemistry of proteins, carbohydrates and lipids; bioenergetics and oxidation.  
Prerequisite: CHEM 231.

CHEM 471  
BIOCHEMISTRY II 3.0  
The second semester of a two semester course in biochemistry. The course continues the coverage of the chemistry of proteins, carbohydrates, lipids, and nucleic acids, and their role in cellular function and processes. Topics such as the chemistry of hormones, recombinant DNA, mechanisms of enzyme action, protein synthesis, immunoglobulins and membranes are included.  
Prerequisite: CHEM 470.

CHEM 472  
EXPERIMENTAL BIOCHEMISTRY 2.0  
Laboratory studies of carbohydrates, lipids, and proteins, enzyme action, enzyme purification, electrophoresis, biochemical applications of spectroscopy.  
Prerequisites: CHEM 231 and 232. Special fee.  
Corequisite: CHEM 470.

CHEM 473  
INSTRUMENTAL BIOCHEMISTRY LABORATORY 3.0  
A second semester biochemistry laboratory course which emphasizes modern instrumental techniques in use in the field of biochemistry. Experiments will include use of uv/vis spectrophotometer for enzyme kinetics, ultracentrifugation, liquid scintillation counting, fluorescence spectrophotometry, electrophoresis, and high performance liquid chromatography.  
Prerequisites: CHEM 470 and 472. Special fee.  
Corequisite: CHEM 471.

CHEM 490  
SELECTED TOPICS IN CHEMISTRY 2.0-3.0  
In-depth study of a modern aspect of chemistry.  
Prerequisite: CHEM 231.

CHEM 491  
HONORS SEMINAR IN CHEMISTRY 2.0  
Seminars and discussions on selected areas in chemistry under faculty guidance for students enrolled in the honors program in chemistry.  
Prerequisites: Admission to the honors program in chemistry or permission of the chemistry honors committee.

CHEM 492  
HONORS THESIS IN CHEMISTRY 2.0  
Preparation and oral presentation of a comprehensive written thesis in chemistry under guidance of a faculty mentor for completion of the honors program in chemistry.  
Prerequisite: CHEM 491.

CHEM 495  
THE CHEMICAL LITERATURE 1.0  
Introduction to manual and computer-assisted searching of the chemical literature. Includes an individual laboratory project, submission of a written project report, and presentation of a seminar. Meets the University Writing Requirement for CHEM majors.  
Prerequisites: CHEM 232.  
Corequisite: CHEM 233.
CHEM 496
BIOCHEMISTRY LITERATURE 1.0
Introduction to searching the biochemistry literature including computerized searches and exploration of on-line journals and interesting internet sites. After becoming familiar with modern methods of information retrieval, students will conduct individual literature searches and do a group presentation.
Prerequisite: CHEM 470.
Corequisite: CHEM 471.

CHEM 498
SENIOR LABORATORY 3.0
Multi-disciplinary laboratory study of the synthesis, separation, and characterization of chemical compounds.
Prerequisite: CHEM 311, and 341, and 343. Special fee.

CHEM 499
UNDERGRADUATE RESEARCH 1.0-3.0
Laboratory research on a specific problem in chemistry under guidance of a faculty mentor.
Prerequisites: CHEM 233 and departmental approval. Special fee.
CLASSICS AND GENERAL HUMANITIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Chairperson: Timothy Renner

Classics and General Humanities examine the culture, ideas, and values of earlier Western and related civilizations both in their original time periods and as they have been appropriated and transmitted by later cultures, especially American. The common goals of these programs are to develop a sense of how to conduct critical inquiry into past cultures and modern manifestations of their ideas and values; to impart a feeling for the recurring patterns but also enormous diversity of human culture; and to explore how past cultures form the basis for modern cultures and cultural attitudes.

The major and minor in Classics are broad programs in ancient civilization which study the history, languages, literature, philosophy art, religion, and daily life of the ancient Mediterranean world as seen through texts and artifacts. The major and minor in Latin emphasize the study of literature in the original language; the major requires study of Greek as well. The Latin (Teacher Education) major leads to certification to teach Latin and Classics in New Jersey secondary schools. The Greek minor emphasizes mastery of classical Greek and reading literature in the language. Additionally, the department is a cosponsor, together with the departments of Anthropology and Fine Arts, of the Archaeology minor. Its archaeologists participate in the work of the Center for Archaeological Studies. (Refer to index for page number for the Archaeology Minor.)

The programs in Classics and General Humanities are interdisciplinary liberal arts concentrations which provide ideal preparation for careers in business, for professions such as law and medicine, and for graduate work in humanities and social sciences. (Note: Students who intend to do graduate work in classical studies may need additional language study and should consult with the department.)

Classics Major

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GNHU281 Greek Civilization</td>
<td>3</td>
</tr>
<tr>
<td>GNHU282 Roman Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Major)

A. Select 5 courses from Latin (LATN) and Greek (GREK), including at least one course at the 200 level or above* ..................................................15
B. Select 12 semester hours (including at least two classical studies topics courses) from the appropriate list to be obtained from the department ..................................................12

Total Semester Hours: ............................................................................33

General Humanities Major

Please refer to the table of contents or index for the page number of this interdisciplinary major.

Latin Major

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREK 101,112 Beginning Greek I, II</td>
<td>6</td>
</tr>
</tbody>
</table>
| 6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age* ..................................................18

* Latin courses at the 200 level and above are taught on a four-year cycle.

Electives (Major)

Select 3 courses from departmental list. GNHU 281 Greek Civilization, GNHU 282 Roman Civilization, and other GNHU courses dealing with ancient history, archaeology, and classical civilization are especially recommended ..................................................9

Total Semester Hours: ............................................................................33

Latin Major

(teacher Education)

Required Courses

6 Latin language and literature courses at the 200 level or above, including at least two of the following: LATN 201 Latin Literature of the Republic, LATN 202 Latin Literature of the Golden Age, LATN 203 Latin Literature of the Silver Age* ..................................................18
LATN 419 Methods of Teaching Latin ..................................................3

* Latin courses at the 200 level and above are taught on a four-year cycle.

Electives (Major)

Select 4 courses from departmental list (GREK 101, 112 Beginning Greek I, II; GNHU 281 Greek Civilization; and GNHU 282 Roman Civilization are especially recommended) ..................................................12

Total Semester Hours: ............................................................................33

Teacher Certification

Students wishing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

Second Teaching Field in Latin

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Greek Minor

Students will take 18 semester hours in Greek language and literature (GREK), to be chosen in consultation with a faculty advisor from the department.

Classics Minor

Students will take 18 semester hours in the department. A list of recommended courses may be obtained from the department.

Courses of Instruction

Classical Civilization and General Humanities

(All courses taught in English)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GNHU 115 TROY AND THE TROJAN WAR</td>
<td>3.0</td>
</tr>
<tr>
<td>For more than 3,000 years the story of the Trojan War has fascinated and attracted people throughout the world. Is the war completely “mythical?” How can different disciplines such as archaeology, linguistics, and the literature be combined to shed light on the historical reality that may lie behind the story as it first appears in Homer? How have the art and literature of other cultures, such as the Romans, the European Middle Ages, or the modern culture of television and movies interpreted and reused the story of Troy, and what can this adaptation tell us about these cultures. Meets Gen Ed 2002–Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)–Humanities, World Literature or General Humanities.</td>
<td></td>
</tr>
<tr>
<td>GNHU 176 ITALIANS AND ITALIAN AMERICANS: COMPARATIVE STUDIES</td>
<td>3.0</td>
</tr>
<tr>
<td>This course shows the relationship between the Italian and Italian-American experiences. It deals with aspects of religion, politics, language, work and moral codes. Comparisons are made with the experiences of other ethnic groups in America. The course is taught with an inter-disciplinary approach. Taught in English. Not for major credit. Cross listed with Spanish and Italian, ITAL 275; Educational Foundations, EDFD 176. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.</td>
<td></td>
</tr>
</tbody>
</table>
GNHU 181
INTRODUCTION TO CLASSICAL ARCHAEOLOGY 3.0
The science of evaluating Greco-Roman and closely related cultures through observation and analysis of their physical remains. Problems and methods of dating artifacts and sites, building materials, types, and decorations. Field trip in addition to illustrated lectures and discussions. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.

GNHU 182
ENGLISH VOCABULARY: CLASSICAL ROOTS 3.0
Systematic development of the student’s knowledge of English vocabulary through study of the most important Greek and Latin roots, prefixes, suffixes, and other elements and the ways in which they are used to form words in English.

GNHU 201
GENERAL HUMANITIES I (TO 1400) 3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from the ancient world to the Middle Ages. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities. Meets the University Writing Requirement for GHUM majors.

GNHU 202
GENERAL HUMANITIES II (FROM 1400) 3.0
A broadly historical introduction to important themes and topics in the humanities as seen through literature, philosophy, and the arts from Renaissance to the present. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities. Meets the University Writing Requirement for GHUM majors.

GNHU 211
CLASSICISM AND AMERICAN CULTURE 3.0
Through the critical analysis of texts ranging from translations of Greco-Roman authors to works on the nature of Western and non-Western culture, the course examines how politicians, novelists, critics, and educators from the 17th century to the present have interpreted the classical past and have viewed it as reflecting their own values or ideals. The course considers classicism both as it has been appropriated and elaborated by Americans specifically and as a phenomenon common to many cultures. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.

GNHU 217
READING ASIAN CULTURES 3.0
This course is an introduction to a wide range of cultural traditions across Asia, as seen through a spectrum of cultural objects. Particular emphasis will be given to the cultural accomplishments of China, Japan, and India, and these will be read in their cultural and historical contexts. Students can expect to read poetry, drama, and prose, view a variety of art forms, and listen to musical styles from ancient, medieval, and modern periods. Students will learn to appreciate and analyze complex cultural objects, as well as the traditions behind them. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

GNHU 281
GREEK CIVILIZATION 3.0
The political, social, economic, and cultural history of the Greek world from the Bronze Age to the Roman conquest as seen through literary, documentary and archaeological sources. Cross listed with History, HIST 281. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History. Meets the University Writing Requirement for CLAS majors.

GNHU 282
ROMAN CIVILIZATION 3.0
The political, social, economic, and cultural history of the Roman world from the Regal Period to Justinian as seen through literary, documentary, and archaeological sources. Cross listed with History, HIST 282. Meets Gen Ed 2002—Social Science, American or European History. Meets the 1983 General Education Requirement (GER)—Social Science, American or European History.

GNHU 283
WOMEN, GENDER, AND SEXUALITY IN THE ANCIENT WORLD 3.0
This course uses women, gender, and sexuality to model a broad, cross-disciplinary, and issue-oriented approach to ancient societies. Students will examine cultural and historical objects, such as historical and philosophical works, inscriptions, and graffiti. They will view monuments and artifacts. They will learn how to approach complex cultural objects and understand how social constructions of gender affected and reflected the lives of women and men in ancient Greece, Rome, and the Near East.

GNHU 285
MYTHOLOGY 3.0
The nature and interpretation of mythology, primarily as seen through the myths of Greece and Rome. Selected comparative study of myths of the Near East, Iran, India and other cultures. Meets Gen Ed 2002—Humanities, World Literature or General Humanities. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.

GNHU 289
FRANCOPHONE FILM 3.0
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to postcolonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with French, German, and Russian, FRIN 289. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

GNHU 290
SELECTED TOPICS IN GREEK AND ROMAN LITERATURE AND CULTURE 3.0
This course will examine topics that involve the interrelationships between the literature and the culture of Greece and Rome, including that of the Roman Empire broadly understood. It will focus on how literary texts arise from, interact with, explain and critique their cultures and the productions of those cultures, such as art, architecture, rhetoric, sports, politics. This course may be repeated twice for a total of 9 credits.

GNHU 293
RUSSIAN CULTURE AND CIVILIZATION 3.0
The history of Russian culture from the early stages of Slavic civilization to the contemporary post-Soviet Russian Federation. Special emphasis is placed on the role of the arts, especially literature, as a reflection of philosophical, political, and cultural change. No knowledge of Russian is required. (Taught in English.) Cross listed with French, German, and Russian, GRIN 293. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.

GNHU 332
SELECTED TOPICS IN ANCIENT HISTORY (GREECE, ROME, WESTERN ASIA, NORTH AFRICA, EUROPE) 3.0
Courses offered under this selected topics rubric examine specific periods and issues concerning Mediterranean, western Asian, and European political, cultural, social and economic history from the Bronze Age to the Late Antiquity. May be repeated twice for a total of nine credits. Cross listed with History, HIST 332.

GNHU 361
SELECTED TOPICS IN MEDITERRANEAN ARCHAEOLOGY 3.0
The course consists of in-depth study of the archaeological evidence for a selected period, region, or other thematic topic within the ancient Mediterranean world broadly defined. Special attention will be given to the role which archaeology plays in reconstructing the history of past cultures and to the Mediterranean archaeologist's frequent need to reconcile ancient written evidence with archaeologically obtained data.
**Field Methods in Mediterranean Archaeology** 3.0
This course is a practical introduction to how archaeology is conducted in the field at an ancient site in the Mediterranean world. Students learn basic techniques of surveying, digging, artifact removal and processing, and on-site record keeping as well as the overall organization of an archaeological project in the field. The course is given on-site at an appropriate excavation location. **Prerequisite:** One of the following: A previous course in some aspect of Mediterranean archaeology; previous archaeological fieldwork experience; or departmental approval.

**Reading Seminar in Mediterranean Archaeology** 3.0
Directed study based on intensive reading of current literature focused on a region, a problem, or a theoretical issue in Mediterranean archaeology. Students are normally expected to have a background which includes at least one archaeology course. With departmental approval, may be repeated once for credit.

**Introduction to Roman Law** 3.0
The role of law in Roman history and society. Social structure and family law. The law and slavery. Property, contracts, and delicts. Legal forms, legal fictions, and the response of law to new conditions. Roman law in the Medieval and Modern periods.

**Cooperative Education for the Liberal Arts** 4.0-8.0
The aim of this course is to provide liberal arts students with the opportunity to apply their academic knowledge and skills in a professional setting. To meet this aim, the course combines supervised employment experience with seminars and writing assignments. Seminar discussion topics include the meaning of work and success; relationships with co-workers and supervisors; ethical issues in the workplace; problem-solving experiences; the importance of career role models; and the student's changing perceptions of the workplace. **Prerequisites:** Completion of 43 credits prior to enrollment with a minimum grade point average of 2.0; permission of the Office of Cooperative Education.

**Seminar in Classical Humanities** 3.0
Topic to be selected according to faculty and student interest and developed through an interdisciplinary approach.

**Independent Study in General Humanities** 1.0-4.0
Directed independent study and research in General Humanities. May be elected in lieu of GNHU 499, Senior Humanities Seminar, in years when the seminar is not being offered. **Prerequisite:** Departmental approval.

**Senior Humanities Seminar** 4.0
A seminar for majors. The student will develop, in a senior thesis or other creative project, an interdisciplinary approach to an idea or problem rising from his or her concentration. **Prerequisite:** Senior standing as a General Humanities major.

**Greek**

**Beginning Greek I** 3.0

**Beginning Greek II** 3.0
The continuation of Beginning Greek I. The fundamentals of grammar and reading of selected texts. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language. **Prerequisite:** Special fee.

**Intermediate Greek I** 3.0

**Intermediate Greek II** 3.0
Review of grammar. Selected readings from Greek prose and poetry. Meets the 1983 General Education Requirement (GER)–Foreign Language. **Prerequisite:** Special fee.

**Greek Epic Poetry** 3.0
Representative selections from the Iliad and Odyssey. Homer as an oral poet.

**Attic Orators** 3.0
Representative works of Lysias, Isocrates, Demosthenes, and others. The orators as stylists and as a source for political and social history.

**Greek Tragedy** 3.0
Selected plays of Aeschylus, Sophocles, and Euripides. The metrics, style, themes, and structure of Attic tragedy. The influence of the Greeks on Western drama.

**Greek Historians** 3.0
Readings from Herodotus, Thucydides, and Xenophon. The development of Greek historiography as a literary genre and as a medium for reporting events.

**Selected Readings in Ancient Greek** 3.0
Intensive reading and critical study of one or more selected authors, genres, texts or periods of ancient Greek that is not covered by a regular course. With different topics may be taken three times for a total of nine credits.

**Greek Philosophers** 3.0
Selected readings, especially from Plato’s Dialogues concerning the trial and death of Socrates. The Greek philosophical tradition and its development in the archaic and classical periods.

**Latin**

**Beginning Latin I** 3.0

**Beginning Latin II** 3.0

**Intermediate Latin I** 3.0
LATN 132
INTERMEDIATE LATIN II 3.0

LATN 201
LATIN LITERATURE OF THE REPUBLIC 3.0
A historical survey of the highlights of Latin literature from its beginnings to the death of Cicero. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language. Meets the University Writing Requirement for LATN majors.

LATN 202
LATIN LITERATURE OF THE GOLDEN AGE 3.0
A historical survey of the highlights of Latin literature from the second triumvirate through the early Julio-Claudian period. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language. Meets the University Writing Requirement for LATN majors.

LATN 203
LATIN LITERATURE OF THE SILVER AGE 3.0
A historical survey of the highlights of Latin literature from the Neronian period through the second century of the Christian era. Selections from prose and poetry will be read with attention to style, form, outlook, and cultural context. Meets the 1983 General Education Requirement (GER)–Foreign Language. Meets the University Writing Requirement for LATN majors.

LATN 204
LATIN LITERATURE OF THE MIDDLE AGES 3.0
The highlights of Latin literature from the disintegration of the Roman Empire in the West to the beginning of the Renaissance. Selections from poetry, history, philosophy, theology, and popular literature will be read with attention to style, development of the language, and historical context. Meets the University Writing Requirement for LATN majors.

LATN 251
ROMAN LETTER WRITING 3.0
The public figure and the private citizen seen through the letters of Cicero and Pliny. The letters as evidence for Roman political and social history.

LATN 252
ROMAN DRAMA 3.0
Selected comedies of Plautus and Terence with attention to style, form, dramatic technique, and literary ancestry. The influence of Roman comedy on subsequent European drama.

LATN 253
THE EPIC AND VERGIL 3.0
Readings primarily from the Aeneid but including selections from the Georgics and Eclogues. Vergil as a literary artist and his role in the development of the epic in Western literature.

LATN 254
ROMAN LYRIC POETRY 3.0
Readings from the lyrics of Catullus and Horace, with particular emphasis on style, themes, and metrics.

LATN 255
OVID 3.0
Selections from Ovid's works, principally the Metamorphoses, Ars Amatoria, Amores, and Heroides. Ovidian style, humor, and use of literary myth. Ovid's influence on literature and the arts.

LATN 261
ROMAN BIOGRAPHY 3.0
The biography as a genre: selected passages from Sallust, Tacitus, Suetonius; contrasting these works with autobiographical evidence from the letters and excerpts of other Latin authors.

LATN 284
CICERO AND ANCIENT PHILOSOPHY 3.0
Cicero's philosophical essays with special attention to his role as a transmitter of Greek philosophy to the Roman and later Western world.

LATN 310
LATIN COMPOSITION 3.0
Practice in writing Latin prose in conjunction with review of grammar. Readings in selected Latin authors with a view toward acquiring familiarity with different prose styles.

LATN 351
ROMAN HISTORIANS 3.0
Selected readings from Sallust, Livy, and Tacitus. The development of Roman historiography in the context of Roman history and the Greek historiographical background.

LATN 419
METHODS OF TEACHING LATIN 3.0
The history of methodology together with new approaches and techniques. The development of a Latin curriculum, including evaluation of textbooks and construction of lesson plans, reviews, and tests.

LATN 478
ADVANCED LATIN READINGS: SELECTED TOPICS 3.0
Intensive reading and critical study of a selected author, genre, period, or theme in Latin literature. Topic to be announced each semester. May be repeated for credit with different topics.
COMMUNICATION SCIENCES AND DISORDERS

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Chairperson: Claire F. Taub

For Prospective Students:
The undergraduate program in communication sciences and disorders is no longer offered. The Certificate of Clinical Competence of the American Speech-Language-Hearing Association and the NJ licenses in Speech-Language Pathology require the completion of a master's degree. Prospective students are urged to attend Montclair State at the undergraduate level and then matriculate for the master's degree. The master's degree is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Any undergraduate major can serve as a foundation for master's degree work. Students who wish to enter the field of speech-language pathology must have transcript credit (which could include course work, advanced placement, CLEP, or examination of equivalency) for each of the following areas: biological sciences, physical sciences, social/behavioral sciences, and mathematics. Students are required to take a minimum of three semester hours in each area.

For undergraduate students who attend Montclair State and who wish to pursue a master's degree in speech/language pathology, a fifteen semester hour cluster of courses will be available to be taken during the senior year. These courses are designed to act as a bridge between undergraduate preparation and master's degree work.

To be taken in the Fall semester
CSND 408  Phonetic Study of Speech Sounds
CSND 409  Anatomy and Physiology of Speech & Hearing Systems
CSND 410  Neurophysiological Bases of Communication

To be taken in the Spring semester
CSND 500  Speech and Language Acquisition
CSND 534  Speech and Hearing Science

In addition, students who are undergraduates at Montclair State University may take additional courses in preparation for master's degree level work such as:

CSND 386 Communication Disorders: A Special Education Perspective
PSYC 235 Psychology of Exceptional Children and Youth
CURR 400 Teacher School and Society (required for New Jersey certification as a Speech-Language Specialist)

Prospective students are urged to contact the Department of Communication Sciences and Disorders for advisement during the sophomore or junior year.

Courses of Instruction

CSND 386
COMMUNICATION DISORDERS: A SPECIAL EDUCATION PERSPECTIVE 3.0
An examination of the influences on special education practices. Historical, legal, developmental, and instructional forces are explored. Career options, as well as issues and trends, are addressed.

CSND 408
PHONETIC STUDY OF SPEECH SOUNDS 3.0
The articulation of sounds of American English, developing an understanding of articulatory features using the international phonetic alphabet.
Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 409
ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING SYSTEMS 3.0
The anatomical and physiological bases of respiration, phonation, articulation and resonance. The anatomy and physiology of the auditory mechanism.
Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 410
NEUROPHYSIOLOGICAL BASES OF COMMUNICATION 3.0
Study of the anatomy and physiology of the nervous system as it relates to the development of hearing, vision, thought, memory and emotions, as well as the perception, processing and production of speech and language.
Prerequisite: Senior standing or major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 500
SPEECH AND LANGUAGE ACQUISITION 3.0
The nature of language and language development in young children. Acquisition of phonological, semantic and syntactic systems studied in framework of biological, cognitive, and linguistic theory.
Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.

CSND 534
SPEECH AND HEARING SCIENCE 3.0
Study of basic acoustics, memory, and perception. Advanced study of anatomy and physiology of the speech and hearing mechanisms. Commonly used instrumentation will be discussed.
Prerequisite: Graduate major in Communication Sciences and Disorders, Speech-Language Pathology concentration.
### Organizational Communication Concentration

**Organizational Communication Concentration Requirements:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>SPCM 250</td>
<td>Intercultural Communication</td>
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<tr>
<td>SPCM 361</td>
<td>Organizational Communication</td>
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</tr>
<tr>
<td>SPCM 374</td>
<td>Group Processes</td>
<td>3</td>
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<tr>
<td>SPCM 401</td>
<td>Seminar in Organizational Communication</td>
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#### Major Electives (9 semester hours):

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<tbody>
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<td>SPCM 104</td>
<td>Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 222</td>
<td>Principles of Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 230</td>
<td>Listening</td>
<td>3</td>
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<tr>
<td>SPCM 260</td>
<td>Oral Interpretation of Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 272</td>
<td>Interpersonal Communication II</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 290</td>
<td>Gender and Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 304</td>
<td>Mediated Communication Theory</td>
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<tr>
<td>SPCM 334</td>
<td>Television Production in Communication Studies</td>
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<tr>
<td>SPCM 342</td>
<td>Argumentation and Debate</td>
<td>3</td>
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<tr>
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<td>Seminar in Public Relations</td>
<td>3</td>
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<tr>
<td>SPCM 404</td>
<td>Seminar in Mediated Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 422</td>
<td>Public Relations Cases</td>
<td>3</td>
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<tr>
<td>SPCM 435</td>
<td>Communication Arts Activity</td>
<td>3</td>
</tr>
<tr>
<td>ENWR206</td>
<td>Business Writing</td>
<td>3</td>
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### Public Relations Concentration

**Public Relations Concentration Requirements:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>SPCM 222</td>
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<tr>
<td>SPCM 322</td>
<td>Public Relations Writing</td>
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<td>SPCM 323</td>
<td>Public Relations Cases</td>
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<td>SPCM 422</td>
<td>Public Relations Management</td>
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<td>SPCM 260</td>
<td>Oral Interpretation of Literature</td>
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</tr>
<tr>
<td>SPCM 272</td>
<td>Interpersonal Communication II</td>
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<td>Seminar in Mediated Communication</td>
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</tr>
<tr>
<td>SPCM 413</td>
<td>Visual Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 435</td>
<td>Communication Arts Activity</td>
<td>3</td>
</tr>
<tr>
<td>ENWR206</td>
<td>Business Writing</td>
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### Speech Communication Minor

Students who wish to pursue a minor program in the Department of Communication Studies and have this accomplishment listed on the transcript must proceed as follows:

1. Submit an application, which may be obtained from the Department office, to the chairperson requesting status as a Minor Program student in the Department of Communication Studies.
2. Schedule and complete an interview for acceptance into the Speech Communication Minor Program.
3. The minimum standard for admission to the program is grade point average of 2.75.
4. Complete the Minor Program sequence.
5. During the senior year, request certification from the Registrar of official records for the completion of minor program of study.

### Speech Communication Minor Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>SPCM 103</td>
<td>Voice and Speech Improvement</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 172</td>
<td>Principles of Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 234</td>
<td>Public Speaking</td>
<td>3</td>
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<tr>
<td>SPCM 271</td>
<td>Interpersonal Communication I</td>
<td>3</td>
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<tr>
<td>SPCM 374</td>
<td>Group Processes</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 438</td>
<td>Principles of Persuasion</td>
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OR

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<tr>
<th>Course Code</th>
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<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>SPCM 375</td>
<td>Nonverbal Communication</td>
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### Communication Studies Major—B.A.

#### Required Core Courses

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<td>SPCM 301</td>
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<td>SPCM 375</td>
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<td>SPCM 438</td>
<td>Principles of Persuasion</td>
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<tr>
<td>SPCM 478</td>
<td>Applied Communication</td>
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#### Speech Communication Concentration

**Speech Communication Concentration Requirements:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SPCM 230</td>
<td>Listening</td>
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<td>SPCM 250</td>
<td>Intercultural Communication</td>
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<td>SPCM 374</td>
<td>Group Processes</td>
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<tr>
<td>SPCM 422</td>
<td>Public Relations Cases</td>
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<tr>
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<td>ENWR206</td>
<td>Business Writing</td>
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### Communication Studies Minor

The Department of Communication Studies offers a major in Communication Studies with an option of three concentrations: Organizational Communication, Public Relations and Speech Communication. The program emphasizes research and writing, oral presentation and visual communication through effective information processing. The department prides itself on the exceptional quality of its faculty, the success of its graduates, and the extensive range of its academic-professional curricula. Communication Studies, a major featuring both liberal arts and professional training, afford students an abundance of opportunities to participate in meaningful learning experiences. Responsibilities increase as their training proceeds and prepares students for a multitude of careers.

Special features of the Communication Studies academic program include three concentrations, specialized internships, Dannis B. Eaton Public Speaking Competition and the National Communication Honor Society of Lambda Pi Eta. The Department of Communication Studies is an accredited institutional member of the National Communication Association. The Bachelor of Arts degree from the Department of Communication Studies requires a successful interview for admission into the major or minor. The dates and requirements for department admission and interviews may be obtained by calling the Department of Communication Studies at 973-655-7471.

### Communication Studies Minor

**Major Electives (9 semester hours):**

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</table>
Courses of Instruction

SPCM 101
FUNDAMENTALS OF SPEECH: COMMUNICATION REQUIREMENT 3.0
This course introduces students to the theoretical and practical requirements of different types of public presentations and helps students develop an understanding and appreciation of the dynamic nature of the communication process. The course focuses on the basic elements of the communication process, listening, communicator and audience characteristics, basic research skills, and message composition and delivery. Students learn about the demands of public presentations in culturally and professionally diverse environments and develop presentation competence and flexibility. Meets Gen Ed 2002—Communication, Communication. Meets the 1983 General Education Requirement (GER)—Communication, Speaking/Listening.

SPCM 103
VOICE AND SPEECH IMPROVEMENT 3.0
Theory and practice in the improvement of individual voice and speech patterns and elimination of faults.
Prerequisite: B.A. Communication Studies majors only.

SPCM 104
MEDIA AND SOCIETY 3.0
This course introduces students to different print and electronic communication media, such as newspapers, magazines, radio, television, and the Internet. The course explores how each medium has contributed to changes in communication, from the way in which we process information and do work, to the way we experience entertainment and culture.

SPCM 172
PRINCIPLES OF HUMAN COMMUNICATION 3.0
A survey of the process of human communication on all levels of interaction from interpersonal to mass communication. Introduction to and an awareness of the key principles operating during the process of communication.

SPCM 201
COMMUNICATION THEORY 3.0
This course introduces students to human communication theories. Emphasis is placed on the application of theory to a variety of everyday relational, professional, and cultural situations and the ways in which theory informs and helps us examine human communication.
Prerequisite: SPCM 172.

SPCM 222
PRINCIPLES OF PUBLIC RELATIONS 3.0
Principles of Public Relations is an introductory course designed to expose students to the basic history and theories in the field of public relations. Principles of Public Relations will expose you to staple writing activities such as news releases, brochures, and pitch letters. Principles of Public Relations will also teach you the basic terminology and skills necessary to succeed in more advanced public relations courses.
Prerequisites: SPCM 172 and 234.

SPCM 230
LISTENING 3.0
The development of critical, discriminative, appreciative, and empathic listening skills; emphasis will be on listening theory/concept exploration, listening skill building, and experiential learning through theory application.
Prerequisite: B.A. Communication Studies majors only.

SPCM 234
PUBLIC SPEAKING 3.0
Preparing and delivering effective, informative, and persuasive speeches; emphasis on outlining, verbal clarity, and effective oral communication in public presentations.
Prerequisite: B.A. Communication Studies majors only.

SPCM 250
INTERCULTURAL COMMUNICATION 3.0
Survey of cultural approaches to communication, including theory and methodology. Will examine the underlying principles and concepts of communication within individuals and across cultures to better understand effective human communication.
Prerequisite: B.A. Communication Studies majors only.

SPCM 271
INTERPERSONAL COMMUNICATION I 3.0
Basic theory of interpersonal communication and its practical applications in friendships and intimate relationships; personal communication patterns as they affect self-perception and other perception; emphasis on the effect this process has on our interactions with others; strategies are offered as a means of change, growth and potential in effective interpersonal communication.
Prerequisite: B.A. Communication Studies majors only.

SPCM 272
INTERPERSONAL COMMUNICATION II 3.0
Current literature in the field of interpersonal communication and the relationship of the theory to communication effectiveness. Study of conflict management and interpersonal communication competence.
Prerequisites: SPCM 172 and 271; B.A. Communication Studies majors only.

SPCM 290
COMMUNICATION AND GENDER 3.0
An examination of male and female communication patterns and gender expectations in various contexts with emphasis on: (1) the relationship between gender, language and culture; (2) cultural stereotypes regarding gender roles; (3) the implications of gendered understandings on our personal and professional lives.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.

SPCM 301
SEMINAR IN COMMUNICATION RESEARCH 3.0
This course introduces students to the research and methods (quantitative and qualitative) of the discipline of communication. Emphasis is on the critical assessment of research, improved writing, and the completion of a research paper. Meets the University Writing Requirement for CSOC, CSPR, CSSC majors.
Prerequisites: SPCM 172; junior level; B.A. Communication Studies majors only.

SPCM 304
MEDIATED COMMUNICATION THEORY 3.0
The course provides an in-depth examination of mass media theories and social effects on a national and global level. Through case studies, research, screenings, and class discussions students develop analytic tools they can use in their role as proactive consumers and potential creators of media products.
Prerequisite: SPCM 102

SPCM 322
PUBLIC RELATIONS WRITING 3.0
In Public Relations Writing, students learn the basic principles associated with public relations writing and how to prepare an assortment of public relations documents. Associated Press (AP) style is reinforced throughout all assignments, and students learn how to construct specialized written documents such as backgrounder, brochures, business letters, pitch letters, infographics, news releases, stationery, business cards, logos. Students are also encouraged to begin portfolio building. Aesthetics is a central focus of the class and students learn the features of effective design.
Prerequisites: SPCM 172 and 222 and 234.

SPCM 323
PUBLIC RELATIONS CASES 3.0
Public Relations Cases uses a case-study method to teach student about theoretical and applied principles of public relations campaign management. Students examine successful/unsuccessful examples of public relations in order to learn how to plan more effective campaigns and to evaluate completed campaigns.
Prerequisites: SPCM 172 and 201 and 222 and 234 and 322.

SPCM 334
TELEVISION PRODUCTION IN COMMUNICATION STUDIES 3.0
Hands-on experience in MSU's television studio with focus on production elements including camera operation, directing and creativity through production of commercials, talk shows and variety shows.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.

SPCM 342
ARGUMENTATION AND DEBATE 3.0
Principles of argumentation; characteristics of propositions, definitions of terms, logical organization, evidence, research and oral reason, structure of debates; practice in argumentation and debate of current significant issues.
Prerequisites: SPCM 172 and 234; B.A. Communication Studies majors only.
SPCM 361
ORGANIZATIONAL COMMUNICATION 3.0
An experiential study of the role of communication in business and the application of theories of communication in our understanding of organizations. An organizational simulation provides the experience from which students can apply communication theories.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.

SPCM 374
GROUP PROCESSES 3.0
Effective communication patterns for small groups; variables such as cohesiveness, roles, problem-solving, leadership, decision-making as related to the development and maintenance of productive interaction. Meets the University Writing Requirement for CSOC, CSSC majors.
Prerequisites: SPCM 172 and 271; B.A. Speech Communication majors only.

SPCM 375
NONVERBAL COMMUNICATION 3.0
Introduces nonverbal communication theory to promote a better awareness of its dynamics and influence in the communication process; an awareness of how people reveal and define themselves; a development of skills for encoding and decoding nonverbal messages; creating slide shows.
Prerequisites: SPCM 172; junior status B.A. Speech Communication majors only.

SPCM 388
SEMINAR IN PUBLIC RELATIONS 3.0
Provide background theory and practical experience in public relations. Writing forms and styles, project planning, and campaign strategies as are emphasized. Meets the University Writing Requirement for CSOC, CSPR, CSSC majors.
Prerequisites: SPCM 172 and SPCM 271; B.A. Communication Studies majors only.

SPCM 403
INDEPENDENT STUDY 1.0-3.0
The proposals must be submitted for departmental approval prior to registration for the course.
Prerequisites: Departmental approval; B.A. Communication Studies majors only.

SPCM 401
SEMINAR IN ORGANIZATIONAL COMMUNICATION 3.0
Exploration of advanced topics pertaining to communication in organizational contexts. Particular emphasis is placed on current issues in professional and civic organizations. Subject changes from year to year. Topics include intragroup diversity and conflict management, democratic approaches and processes, and leadership.
Prerequisites: SPCM 172, SPCM 361, SPCM 374.

SPCM 404
SEMINAR IN MEDIATED COMMUNICATION 3.0
This advanced seminar explores emerging communication technologies and their social, cultural, and political implications. The course examines the history and evolution of communication technologies and how they transform our identity, homes, workplaces, communities, and playspaces. Emphasis is placed on current issues and case studies drawn from the world of business, government, and entertainment.
Prerequisites: SPCM 102 and 360.

SPCM 413
VISUAL COMMUNICATION 1.0-3.0
A variable credit course for students to experience the area of visual communication through computer desktop publishing. Students are responsible for designing, editing, and producing various printed materials. May be repeated for a maximum of three credits as major electives. May be repeated for a maximum of six credits for free electives.
Prerequisites: SPCM 172; B.A. Communication Studies majors only.

SPCM 422
PUBLIC RELATIONS MANAGEMENT 3.0
Public Relations Management is designed to teach advanced public relations management and planning skills. The goals of Public Relations Management are twofold. One: to expose students to theories of ethics, public behavior, planning, budgeting, writing, and message production relevant to the practice of public relations. And two: to teach students how to more effectively craft messages in a variety of public relations contexts and to diverse publics.
Prerequisites: SPCM 172 and 201 and 222 and 234 and 322 and 323 and 374.

SPCM 435
COMMUNICATION ARTS ACTIVITY 1.0-3.0
Credit is given for supervised speech arts activity. Various topics offered periodically. Credit by arrangement.
Prerequisites: Departmental approval; B.A. Communication Studies majors only.

SPCM 438
PRINCIPLES OF PERSUASION 3.0
Theory and application of persuasive principles in various fields of society with focus on communication strategies for awareness, understanding, evaluation, and change of social forces in media, education, government, business, religion, politics, relationships, and industry. Learn to become a critical receiver.
Prerequisites: SPCM 172 and 234; senior level; B.A. Communication Studies majors only.

SPCM 478
APPLIED COMMUNICATION 3.0
Identification of practical applications and implications for the theories of human communication are explored with specific focus on communication careers through interviewing techniques, resumes, and career panels with communication professionals. A practical approach allows a synthesis of learned communication theory and applied communication practice.
Prerequisites: SPCM 172 and 271; senior level; B.A. Communication Studies majors only.

SPCM 490
INTERNSHIP: COMMUNICATION STUDIES 4.0-16.0
Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of a professional practitioner as an assistant in active, successful communication activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.
Prerequisites: Departmental approval; B.A. Communication Studies majors only.

SPCM 499
HONORS: SENIOR SEMINAR 3.0
Students pursue independent projects related to their major academic and professional interests, and meet for tutorial sessions on selected topics. Seminar culminates in a major project related to research, performance, production, or pedagogy.
Prerequisites: Departmental approval; senior level; B.A. Communication Studies majors only.
**COMPUTER SCIENCE**

**COLLEGE OF SCIENCE AND MATHEMATICS**

*Chairperson: Dorothy Deremer*

Knowledge of computer science is increasingly important for working in and understanding modern society. The Bachelor of Science degree stresses the theory, practice, and applications of computing in this information age. The degree prepares students to work in industry or to attend graduate school. Students may focus their interests through the Concentration in Professional Computing or the Informatics Concentration. Qualified students may participate in the honors program in computer science. The Department supports a chapter of Upsilon Pi Epsilon, the national honor society in computer science. Special courses such as the Department's Cisco Networking Academy, bioinformatics, multimedia, web tools, and parallel scientific computing applications introduce students to emerging technologies. Selected students may work with faculty on research projects.

Detailed and current information about courses and programs, independent studies in research and advanced topics, Cooperative Education for which students receive academic credit and salaries, transfer credit, and Advanced Placement credit is available from the Coordinator of Undergraduate Advising and at [http://www.csam.montclair.edu/~compsci](http://www.csam.montclair.edu/~compsci).

**Computer Science Major**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 184</td>
<td>Foundations of Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 280</td>
<td>Assembly Language and Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 281</td>
<td>Theory of Digital Machines</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 285</td>
<td>Discrete Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 287</td>
<td>Data Structures, File Structures and Algorithms</td>
<td>4</td>
</tr>
<tr>
<td>CMPT 371</td>
<td>Software Engineering I: Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>CMPT 372</td>
<td>Software Engineering II: Implementation and Testing</td>
<td>4</td>
</tr>
</tbody>
</table>

**Collateral Courses**

**Mathematics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 122</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 335</td>
<td>Elements of Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>STAT 440</td>
<td>Fundamentals of Modern Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

One of these four sequences

1. PHYS 191 University Physics I | 4 |
2. PHYS 192 University Physics II | 4 |
3. CHEM 120 General Chemistry I | 4 |
4. CHEM 121 General Chemistry II | 4 |

**Area II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 202</td>
<td>Fundamentals of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 203</td>
<td>Fundamentals of Accounting II</td>
<td>3</td>
</tr>
</tbody>
</table>

MGMT 231 Management Processes | 3 |

**ECON**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101</td>
<td>Principles of Economics: Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
</tbody>
</table>

MGMT 231 Management Processes | 3 |

**Note:** The Department recommends students take a science sequence prepared for work in New Jersey and other regional industries including biotechnology and pharmaceuticals. More than one sequence is recommended.

**Computer Science Major Electives**

Choose one of the following options: 6

Option I: Choose two elective courses from Group I

Option II: Choose one elective course from Group 1 and one course from Group 2 or 3.

**Group 1 Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CMPT 472</td>
<td>Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 481</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 483</td>
<td>Data Base Systems</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 484</td>
<td>Fundamentals of Programming Languages</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 485</td>
<td>Compiler Construction</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 486</td>
<td>Design of Computer Interfaces</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 487</td>
<td>Local Area Networks</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 493</td>
<td>Advanced Databases</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 495</td>
<td>Topics in Computer Science for Undergraduates</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 497/8</td>
<td>Undergraduate Research in Computer Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Group 2 Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 363</td>
<td>Introduction to Numerical Computing</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 385</td>
<td>Computer System Organization</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 387</td>
<td>Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 388</td>
<td>Foundations of Artificial Intelligence</td>
<td>3</td>
</tr>
</tbody>
</table>

**Group 3 Electives:**

CMPT 499* Cooperative Education in Computer Science | 3-8*  

*Maximum of three (3) credits may be used as a major elective.

**Concentration in Professional Computing (CPC)**

CPC provides depth and breadth in theory, practice, and applications of computing. CPC is national accredited by ABET CAC (Accreditation Board for Engineering and Technology Computing Accreditation Commission). CAC is sponsored by the Institute of Electrical and Electronics Engineers' Computer Society and the Association of Computing Machinery, the two premier professional computing societies each with over 100,000 members. CPC has been accredited for more than 10 years. CPC students must complete the major computer science requirements, collateral courses in mathematics, and a collateral science sequence as described below.

**Collateral Courses**

Students must take one of the following sequences requiring lab work and at least another science course for a total of at least 12 credits:

1. PHYS 191 University Physics I | 4 |
2. CHEM 120 General Chemistry I | 4 |
3. BIOL 112 Principles of Biology I | 4 |

**Required Mathematics Courses**

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>MATH 122</td>
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<td>MATH 335</td>
<td>Elements of Linear Algebra</td>
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<tr>
<td>STAT 440</td>
<td>Fundamentals of Modern Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 285</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Computer Science Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 184</td>
<td>Foundations of Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 280</td>
<td>Assembly Language and Computer Architecture</td>
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</tr>
<tr>
<td>CMPT 281</td>
<td>Theory of Digital Machines</td>
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<tr>
<td>CMPT 287</td>
<td>Data Structures, File Structures and Algorithms</td>
<td>4</td>
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<tr>
<td>CMPT 371</td>
<td>Software Engineering I: Analysis and Design</td>
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</tr>
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<td>Software Engineering II: Implementation and Testing</td>
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</tr>
</tbody>
</table>

**Required Computer Science Advanced Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 385</td>
<td>Computer System Organization</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 387</td>
<td>Principles of Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 481</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 484</td>
<td>Fundamentals of Programming Languages</td>
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</tr>
</tbody>
</table>

**Computer Science Electives**

Select 2 courses (6 s.h.) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CMPT 388</td>
<td>Foundations of Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 472</td>
<td>Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 483</td>
<td>Data Base Systems</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 485</td>
<td>Compiler Construction</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 487</td>
<td>Local Area Networks</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 493</td>
<td>Advanced Databases</td>
<td>3</td>
</tr>
</tbody>
</table>
| CMPT 499   | Cooperative Education in Computer Science | 3-8*  

*Maximum of three (3) credits may be used as a major elective.

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103
**Informatics Concentration**

This concentration focuses on working with designing, implementing and maintaining information systems. To qualify for this concentration students must complete the required courses (27 s.h.), and the collateral mathematics courses (15 s.h.) for the computer science major as well as the following:

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 387</td>
<td>Principles of Data Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 483</td>
<td>Database Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**Collateral Courses**

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
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<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 231</td>
<td>Management Processes</td>
<td>3</td>
</tr>
</tbody>
</table>

**Computer Science Major Electives**

Select one elective from Group 1, 2 or 3:

**Group 1 Electives:**

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
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<td>Computer Graphics</td>
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<td>Operating Systems</td>
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<td>CMPT 484</td>
<td>Fundamentals of Programming Languages</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 485</td>
<td>Compiler Construction</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 486</td>
<td>Design of Computer Interfaces</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 487</td>
<td>Local Area Networks (LANs)</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 493</td>
<td>Advanced Database Theory</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 495</td>
<td>Topics in Computer Science for Undergraduates</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 497/8</td>
<td>Undergraduate Research in Computer Science</td>
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</table>

**Group 2 Electives:**

<table>
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<tr>
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<th>Course Title</th>
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</thead>
<tbody>
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<td>CMPT 363</td>
<td>Introduction to Numerical Computing</td>
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</tr>
<tr>
<td>CMPT 385</td>
<td>Computer System Organization</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 388</td>
<td>Foundations of Artificial Intelligence</td>
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</table>

**Group 3 Electives:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 499</td>
<td>Cooperative Education in Computer Science</td>
<td>3-8*</td>
</tr>
</tbody>
</table>

*A maximum of three (3) credits of may be used as a major elective.

**Computer Science Minor**

Students may earn a minor in computer science by satisfactorily completing an 19 semester hour program which includes CMPT 183, 184, 280, 285, 287, and one other approved CMPT course. At least 9 semester hours must be taken at Montclair State University.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 184</td>
<td>Foundations of Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 280</td>
<td>Assembly Language and Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 285</td>
<td>Discrete Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 287</td>
<td>Data Structures, File Structures and Algorithms</td>
<td>4</td>
</tr>
</tbody>
</table>

One course from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 261</td>
<td>Business Data Processing</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 281</td>
<td>Theory of Digital Machines</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 363</td>
<td>Introduction to Numerical Computing</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 381</td>
<td>File Processing</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 382</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 384</td>
<td>Systems Software</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 385</td>
<td>Computer System Organization</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 387</td>
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<tr>
<td>CMPT 388</td>
<td>Foundations of Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 472</td>
<td>Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 474</td>
<td>Software Engineering</td>
<td>3</td>
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<tr>
<td>CMPT 481</td>
<td>Operating Systems</td>
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<tr>
<td>CMPT 483</td>
<td>Database Systems</td>
<td>3</td>
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<tr>
<td>CMPT 484</td>
<td>Fundamentals of Programming Languages</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 485</td>
<td>Compiler Construction</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 493</td>
<td>Advanced Database Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

**Courses of Instruction**

**CMPT 109**

**INTRODUCTION TO COMPUTER APPLICATIONS:**

BEING FLUENT WITH INFORMATION TECHNOLOGY 3.0

An introduction to the skills, concepts, and capabilities necessary to effectively use information technology across the curriculum, through computer applications. Not for mathematics major elective credit or computer science major elective credit. Meets Gen Ed 2002–Computer Science. Meets the 1983 General Education Requirement (GER)–Mathematics, Computer Science. **Prerequisite:** MATH 051 or MATH 061 or satisfactory score on both of the mathematical components of the MSUPT. Special fee.

**CMPT 112**

HONORS SEMINAR IN COMPUTING 3.0

Introduction to the theory, discipline, philosophy and applications of computing. The effect of computing upon the individual, the society, and the environment. Use of application tools including word processing, spreadsheets, data bases, and communications. Cross listed with Honors Program, HONP 112. Meets the 1983 General Education Requirement (GER)–Mathematics, Computer Science. **Prerequisite:** Departmental approval; MATH 051 or MATH 061 or satisfactory score on both the mathematical components of the MSUPT.

**CMPT 183**

FOUNDATIONS OF COMPUTER SCIENCE I 3.0


**CMPT 184**

FOUNDATIONS OF COMPUTER SCIENCE II 3.0

Continuation of CMPT 183. Algorithm development involving user functions; subroutines, recursions, structures file manipulation. **Prerequisite:** CMPT 183.

**CMPT 250**

WEB TOOLS 2.0-3.0

This course discusses and investigates the current web tools and technologies that are used in web site design. Focus will be on the markup languages of XHTML and XML; Dynamic HTML; Client side programming language JavaScript; Server side programming, Servlets, JavaServer pages and ASP. **Prerequisite:** CMPT 184.

**CMPT 280**

ASSEMBLY LANGUAGE AND COMPUTER ARCHITECTURE 3.0

Computer structures, the conventional machine level, introduction to assembler language. **Prerequisite:** CMPT 184.

**CMPT 281**

THEORY OF DIGITAL MACHINES 3.0

Microprogramming level of a computer, the operating system level, gates, sequential and combinational circuits, flip-flops, registers, number codes. **Prerequisite:** CMPT 280 and 285.

**CMPT 285**

DISCRETE MATHEMATICAL STRUCTURES 3.0

The structures include sets, graphs, digraphs, trees, networks, lattices, matrices, semigroups and groups. Many practical business and scientific problems can be posed and solved by the use of these structures. **Prerequisite:** MATH 112.

**CMPT 287**

DATA STRUCTURES, FILE STRUCTURES AND ALGORITHMS 4.0

Creation and manipulation of in-memory data structures including graphs, lists, queues, sets, stacks and trees; searching, sorting and other algorithms for in-memory data structures. File, file structures and external sorting. Meets the University Writing Requirement for CPIN, CPSC, CPSC, CPSC, CPSC, CPSC, CPSC, CPSC, CPSC, CPSC, CPSC majors. **Prerequisites:** CMPT 184. **Prerequisite or corequisite:** CMPT 285.
CMPT 290
INTRODUCTION TO COGNITIVE SCIENCE 3.0
An introduction to the multidisciplinary field of cognitive science. Topics include: the mind-body problem, thought as computation and the computer model of the mind, the role of representation in mental activity. Emphasis will be upon the methodological approaches found in artificial intelligence, cognitive psychology, cognitive anthropology, cognitive neuroscience, linguistics, and philosophy. Cross listed with Psychology, PSYC 290. 
Prerequisite: ANTH 100 or PSYC 101 or CMPT 183 or LNGN 210 or PHIL 100.

CMPT 296
TOPICS IN A PROGRAMMING LANGUAGE 1.0
An introduction to a selected programming language with a view to learn the most important structures in that language. Each time the course is offered only one programming language will be taught, but the language could vary from one semester to another. The course could be taken more than once by the same student, provided the languages are different. May be repeated four times for a total of five semester hours. 
Prerequisite: CMPT 184.

CMPT 300
INTRODUCTION TO SCIENCE DATABASES 1.0
This course presents and discusses the concepts of the databases used in scientific application, and their differences with respect to other databases. 
Prerequisites: CMPT 250 and CMPT 287.

CMPT 350
PARALLEL AND DISTRIBUTED COMPUTING 3.0
An overview of a variety of parallel hardware architectures, ranging from symmetric multiprocessors to clusters. The appropriate programming techniques fro those architectures, such as threads and message passing. Parallelization of sequential algorithms for some common problems. Speed-up analysis.

CMPT 363
INTRODUCTION TO NUMERICAL COMPUTING 3.0
Fundamentals of numerical computation, with emphasis on basic algorithms and their efficient implementation: appropriate treatment of theoretical bases. Topics include floating point arithmetic, roundoff error and propagation in numerical solution of nonlinear equations, interpolation and approximation, and numerical integration. The FORTRAN language will be taught and used in programming assignments. 
Prerequisite: CMPT 183 and MATH 221.

CMPT 371
SOFTWARE ENGINEERING I: ANALYSIS AND DESIGN 4.0
Utilization of software engineering principles and techniques for the specification, analysis and design of high-quality complex software systems including both technical and non-technical aspects. 
Prerequisite: CMPT 287.

CMPT 372
SOFTWARE ENGINEERING II: IMPLEMENTATION AND TESTING 4.0
This course utilizes software engineering principles and techniques for the implementation, testing and maintenance of high-quality complex software systems, as designed in a previous course (CMPT 371). 
Prerequisite: CMPT 371.

CMPT 382
SYSTEM ANALYSIS AND DESIGN 3.0
A major project includes forms design, sequential files, files, merge, sort, and editing programs. 
Prerequisite: CMPT 184.

CMPT 385
COMPUTER SYSTEM ORGANIZATION 3.0
Introduction to chip technology, microprocessors, microcomputers, architecture, instruction sets and programming of microcomputers, and other bus-oriented computers. 
Prerequisite: CMPT 281.

CMPT 387
PRINCIPLES OF DATA COMMUNICATIONS 3.0
Fundamentals of data communication topics. Analog-Digital, Broadband-Baseband, TDM-FDM, AM-FM techniques. Error codes and protocols. 
Prerequisite: CMPT 281.

CMPT 388
FOUNDATIONS OF ARTIFICIAL INTELLIGENCE 3.0
A general, comprehensive coverage of the main areas constituting the field of artificial intelligence, introduction of computer vision, natural language processing (NLP), pattern recognition and neural networks. 
Prerequisite: CMPT 284.

CMPT 472
COMPUTER GRAPHICS 3.0
An introduction to computer graphics, including the algorithms to generate two-dimensional and three-dimensional graphical pictures. An overview of interactive graphics and graphics devices. 
Prerequisites: CMPT 287 and MATH 335.

CMPT 481
OPERATING SYSTEMS 3.0
Prerequisite: CMPT 281 and CMPT 384.

CMPT 483
DATABASE SYSTEMS 3.0
A comprehensive collection of database organizations and design tools; file organizations and evaluations, database structures, schemata and implementations. Database security, operations and management. 
Prerequisites: CMPT 381.

CMPT 484
FUNDAMENTALS OF PROGRAMMING LANGUAGES 3.0
Syntax and semantics of modern programming languages with emphasis on programming in the large, functional, logic, and object-oriented paradigms. Common threads found in both imperative and non-imperative languages discussed. 
Prerequisite: CMPT 384.

CMPT 485
COMPILER CONSTRUCTION 3.0
Introduction to the concepts and techniques used in the description of programming languages and in the construction of compilers. 
Prerequisites: CMPT 484.

CMPT 486
DESIGN OF COMPUTER INTERFACES 3.0
Basic digital and analog computing circuits and interface circuits, computer-telecommunication interfaces. 
Prerequisite: CMPT 385.

CMPT 487
LOCAL AREA NETWORKS (LAN’S) 3.0
Overview, topology, taxonomy, transmission, technology media and control protocols of microcomputer LAN’s. 
Prerequisite: CMPT 387.

CMPT 490
HONORS SEMINAR IN COMPUTER SCIENCE 3.0
Topics not usually covered within standard computer science courses. A written and an oral report are required. 
Prerequisites: CMPT 287 and MATH 335 and departmental approval.

CMPT 493
ADVANCED DATABASE THEORY 3.0
This course continues the introduction to data management. Topics include: security, integrity, concurrency and recovery, query optimization, file structures and other performance issues. 
Prerequisite: CMPT 483.

CMPT 495
TOPICS IN COMPUTER SCIENCE FOR UNDERGRADUATES 1.0-3.0
Study of specialized topics in computer science. 
Prerequisites: CMPT 287 and departmental approval.

CMPT 497
UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE 1 1.0-3.0
Individual research in areas of computer science agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses CMPT 497, 498, MATH 497, 498. 
Prerequisites: CMPT 281 and MATH 335 and departmental approval.
CMPT 498
UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE II  1.0-3.0
Individual research in areas of computer science agreed upon by the student
and the instructor. The results of the research will be a basis of a seminar or
colloquium to be given by the student. Students must not accumulate more than
6 credits total in courses CMPT 497, 498, MATH 497, 498.
Prerequisites: CMPT 281 and MATH 335 and departmental approval.

CMPT 499
COOPERATIVE EDUCATION IN COMPUTER SCIENCE  3.0-8.0
The study of theoretical ideas of computer science combined with their
practical applications in a real life environment. The co-op experience is a
semester working off-campus under the guidance of a company supervisor,
and a faculty supervisor. Only 3 of the 8 credits may be used to fulfill the major
requirement.
Prerequisites: CMPT 381 or 384 and departmental approval.
COUNSELING, HUMAN DEVELOPMENT AND EDUCATIONAL LEADERSHIP

COLLEGE OF EDUCATION AND HUMAN SERVICES
Chairperson: Catherine B. Roland

Students enrolled in one or more courses offered by the Department of Counseling, Human Development and Educational Leadership will broaden their knowledge and skills in the areas of communication, careers, leadership abilities training, value clarification, group and/or team building and interpersonal interaction. These courses, with the general aim of building foundations for a life open to learning and enrichment, are designed to serve students from varied fields and interests. Among other courses offered by the department are those dealing with counseling techniques used in the alcoholism recovery process.

For those students wishing to further supplement their chosen major and professional development, an 18-credit Human Services Minor has been developed. This minor will help students increase their communication skills to be used in their own areas of specialization, as well as better comprehend theoretical foundations of both group and one-to-one interaction. They will facilitate the acquisition of skills, knowledge and self-confidence necessary to become more effective leaders and helping professionals.

This department also offers Masters’ degrees with specializations involved in guidance, counseling, human services, school social work, school administration and supervision, and organizational training.

Human Services Minor
Advisor: Tete Tetens

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>COUN329</td>
<td>Theories and Techniques of Group Process</td>
<td>3.0</td>
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<tr>
<td>COUN330</td>
<td>Dynamics of One-to-One Communication</td>
<td>3.0</td>
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<tr>
<td>COUN331</td>
<td>Group Dynamics</td>
<td>3.0</td>
</tr>
<tr>
<td>COUN434</td>
<td>Facilitating the Interactive Process II</td>
<td>3.0</td>
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</tbody>
</table>

Electives

Select 6 semester hours in consultation with and approval of the advisor in Counseling, Human Development and Educational Leadership.

Courses of Instruction

COUN 329
THEORIES AND TECHNIQUES OF GROUP PROCESSES 3.0

Given that we function in groups of all sizes, with diverse populations and with various purposes throughout life, this course provides an understanding of the underlying dynamics of groups and provides the opportunity to relate the theories of group development to the actual group process. Students will explore theories and techniques useful in the positive development of en telechy groups.

COUN 330
DYNAMICS OF ONE-TO-ONE COMMUNICATION 3.0

This course is designed to examine the dynamics of one-to-one communication through readings and experientially. The course will further develop personal goals for optimizing personal communication and assist in establishing strategies for the attainment of these goals. Meets the 1983 General Education Requirement (GER)–Electives, Personal/Professional Issues.

COUN 331
GROUP DYNAMICS 3.0

This course is a seminar laboratory experience designed to facilitate human relationships. Focus is on individual behavior in groups. Participation in actual group process provides opportunity for development of insight into the effects of one’s behavior on others. Meets the 1983 General Education Requirement (GER)–Electives, Personal/Professional Issues.
CURRICULUM AND TEACHING

COLLEGE OF EDUCATION AND HUMAN SERVICES
Chairperson: Richard Wolfson

The mission of the department of Curriculum and Teaching is the professional education of public school teachers. Its faculty offers courses in the professional education sequence. Special care has been taken in the development of the field experience courses. In order to support the continuing professional growth of teachers, there are programs and courses at the graduate level.

The Teacher Education Program is described under Other Programs in this catalog. Please refer to the index for the page number.

Courses of Instruction

CURR 200
INITIAL FIELD EXPERIENCE 1.0
An introductory course in the professional education sequence. Classroom instruction and visits to public schools will provide students the opportunity to examine public education from a professional perspective. (This course is required before full admission to Teacher Education.)

CURR 400
TEACHER, SCHOOL AND SOCIETY 3.0
An overview of the field of education, includes a consideration of instructional, curricular, legal and professional issues affecting teachers, schools and society as well as implications for students.

CURR 402
SEMINAR IN PROFESSIONAL EDUCATION 1.0
Part of the professional semester. It provides an opportunity to discuss problems encountered in teaching with peers and supervisors and to find practical solutions to problems experienced. Placement in professional semester field center. Course only open to student teachers. 
Prerequisite: CURR 410 or CURR 500. Corequisite: CURR 435, and 411, or 414, or 416, or 417.

CURR 409
TEACHING FOR CRITICAL THINKING 3.0
Designed for pre-service teacher to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students’ thinking. Cross listed with Educational Foundations, EDFD 409 and Early Childhood, Elementary Education and Literacy, READ 409. 
Prerequisites: CURR 200 and formal admission to the Teacher Education Program.

CURR 410
INTERMEDIATE FIELD EXPERIENCE IN EDUCATION 1.0-3.0
Thirty hours per credit in a public school as assistant to the classroom or subject teacher. Observing, working with individuals and small groups of students, helping with clubs and student activities, teaching ‘mini-lessons’ and becoming familiar with teacher activities. Each student keeps a log of activities. Class meetings on campus during the experience are arranged. 
Prerequisites: CURR 200 and formal admission to the Teacher Education Program. In addition, students must have filed a timely “Field Experiences Application” with the Center of Pedagogy.

CURR 411
SUPERVISED STUDENT TEACHING 8.0
Student teaching in the public schools of New Jersey is required of all students who complete the regular program of certification requirements. Part of professional semester. 
Prerequisite: Special fee. Corequisites: CURR 402 and CURR 435.

CURR 412
FIELD WORK IN URBAN EDUCATION 1.0-3.0
Similar to CURR 410 with emphasis on tutoring and individual conferences in urban public school. Student keeps a log of activities. Class meetings on campus. Meets the Multicultural Awareness Requirement. 
Prerequisite: Departmental approval.

CURR 416
SUPERVISED STUDENT TEACHING FOR SPEECH-LANGUAGE SPECIALIST STUDENTS 3.0
Student teaching experience for students in the Speech-Language Pathology Program who are seeking the Speech-Language Specialist teaching certificate. Students spend thirteen weeks in school-based field sites, log a minimum of 100 clinical hours, and participate in the cooperating school clinician’s schedule (e.g. child study team meetings, parent conferences). 
Prerequisite: Departmental approval. Special fee.

CURR 417
MUSIC EDUCATION SUPERVISED STUDY I 4.0
Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight credits required for certification. Limited to Music majors. 
Prerequisite: Departmental approval. Special fee.

CURR 418
MUSIC EDUCATION SUPERVISED STUDY II 4.0
Supervised student teaching in a public school for one-half semester. Experience at elementary and secondary level. Students must consult advisor regarding other professional semester requirements. Eight semester hours required for certification. Limited to Music majors. 
Prerequisite: Departmental approval. Special fee.

CURR 423
TEACHING IN URBAN SCHOOLS 3.0
Focuses on factors affecting teaching and learning in urban schools. Topics include the nature and structure of urban schools, recent innovations in urban settings, mores and family patterns in the inner city, and funding opportunities. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

CURR 435
EFFECTIVE TEACHING/PRODUCTIVE LEARNING 3.0
The course is designed for students preparing for and subsequently participating in the teaching internship. It will develop basic teaching skills which the research literature indicates are related to productive learning outcomes. The skill areas are those of communication, motivation, classroom discipline, learning and cognitive development, media usage, multi-cultural education, curriculum, and evaluation and practical research. Part of the professional semester. 
Corequisites: CURR 402; and CURR 411 or 414 or 415 or 417.

COLLEGE OF EDUCATION AND HUMAN SERVICES
EARLY CHILDHOOD, ELEMENTARY, AND LITERACY EDUCATION

COLLEGE OF EDUCATION AND HUMAN SERVICES
Chairperson: Nancy Lauter

The Early Childhood, Elementary and Literacy Education department is committed to preparing critical professionals who can improve the lives of children, youth, and adults by implementing effective care, education, and literacy programs. In order to meet this challenge, our students build a strong knowledge base through inquiry and action research, develop skills and dispositions as reflective and caring practitioners, support and enhance systems that demonstrably include and respect all children, youth, adults, and their families; and provide professional leadership on local, state, and national levels. The department’s work reflects our commitment to the “Portrait of a Teacher” (see Teacher Education Program), social justice, and diversity.

The department’s programs emphasize the following:

• a common, clear vision of good teaching that is apparent in all course work and clinical experiences, and aligned to well-defined standards of practice and performance;
• strong relationships, common knowledge, and shared beliefs among school/community-based and university faculty who work together to provide substantial clinical experiences using a cohort model;
• learning and teaching as social processes with political implications;
• emphasis on social justice and the principles of democracy to ensure the optimal achievement of all students;
• teaching and learning as a life long process; and
• courses developed and scheduled to meet the unique needs of adult learners.

Early Childhood and Elementary Programs

Faculty share a strong commitment to improve the care and education of all children, build a strong knowledge base through inquiry, prepare effective practitioners, advocate for systems that include and respect all children and their families, and provide professional leadership at local, state and national levels. Within a framework of national teaching standards and developmentally appropriate practice, our students gain the knowledge, dispositions, and skills necessary to become productive and reflective practitioners in increasingly diverse and inclusive schools. Students may choose to pursue an early childhood teacher certificate (preschool through third grade), or an elementary teacher certificate (kindergarten through eighth grade). Students selecting early childhood teacher certification (P-3) major in Human Ecology, Family and Child Studies-Early Childhood concentration.

Literacy Program

The Literacy Program prepares literacy educators to meet present and future literacy demands in our social and political democracy. Our philosophy rests on the belief that literacy development is a lifelong process. Our goal is to prepare students to assume leadership roles in educational settings, e.g. schools, social service agencies, business, and industry. The curriculum places an emphasis on reflection and critical thinking about professional practice, in addition to the moral and ethical responsibilities of literacy educators.

The Literacy Program encompasses several major areas at the undergraduate level. These domains include courses fulfilling general education requisites, teacher education courses specific to literacy development and critical thinking, a literacy minor, and reading strategy courses focused on the enhancement of study skills and reading rate (READ 053 Basic Reading Skills and READ 102 College Reading and Study Skills Improvement in particular).

READ 105 Reading: Communicating Through Text fulfills general education requisites.
READ 400 Initial Inquiry into Literacy Development, READ 407 Reading: Theory and Process, READ 408 Content Area Literacy For Elementary Classrooms, and READ 409 Teaching for Critical Thinking (cross-listed with CURR 409 and EDFD 409) are designed to satisfy initial certification for teacher education majors.

The department offers an M.A. in Reading, and course work leading to certification for Reading Teacher, Reading Specialist, Associate Educational Media Specialist and Media Specialist.

Courses of Instruction

ECEL 200 PERSPECTIVES ON EARLY CHILDHOOD AND ELEMENTARY EDUCATION IN A DEMOCRACY 3.0
This course surveys the historical, philosophical, and social constructs of early childhood and elementary education. Emphasis will be placed on the events, cultural perspectives, and developmental understandings that shape our principles of early childhood and elementary education. Models of programs, particularly those that support inclusive settings, will be examined. Focus on the developmental needs of young children and the central role of families and local communities will be major themes throughout the course. 2 hours lecture, 1 hour other.

ECEL 319 LANGUAGE AND LITERATURE FOR YOUNG CHILDREN 3.0
The qualities of children’s expression through language, books, stories and poems; criteria for evaluating material for the early childhood programs. Prerequisites: Not open to freshmen.

ECEL 365 INDEPENDENT STUDY IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION 1.0-3.0
Provides students with opportunities to investigate topics not offered in the prescribed program. May be repeated once for a maximum of 6 credits. Prerequisites: Departmental approval.

ECEL 375 SELECTED TOPICS IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION 1.0-3.0
Provides students with opportunities to investigate topics not offered in the prescribed program. May be repeated once for a maximum of 6 credits. Prerequisites: Departmental approval.

ECEL 408 SOCIAL STUDIES AND THE ARTS IN ELEMENTARY CLASSROOMS 3.0
Introduces students to the process, skills, and inquiry of social studies and the arts through an integrated curriculum approach. The content focus of the course will be diverse communities, weaving together history, geography, social studies (anthropology, economics, archeology, etc.) and the visual and performing arts. Special emphasis will be placed on exploring arts media, creativity, literacy strategies, and culturally responsive teaching and learning.

ECEL 410 CLINICAL EXPERIENCE I: INCLUSIVE ELEMENTARY CLASSROOMS 1.0-3.0
Introduces students to the dynamics of inclusive elementary classrooms, schools, and communities. Through required fieldwork in elementary settings, observations, interviews, and data collection, students will discuss the role of the teacher(s), documentation and assessment techniques, variables of the classroom environment, school climate, and the wider community. Students will implement lesson plans and use a range of observation and documentation strategies including running records, environmental rating scales, anecdotal records, checklists, rating scales, and examination of children’s work. Goals of the course include linking community resources to school and classroom needs, collecting data to inform instructional practice and culturally responsive teaching and learning, and evaluating the progress and needs of children in inclusive elementary settings. Fieldwork is required. Prerequisite: Special fee. Corequisites: ECEL 412

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ECEL 411
CLINICAL EXPERIENCE I:
INCLUSIVE EARLY CHILDHOOD CLASSROOMS 2.0
Introduces students to the dynamics of inclusive early childhood classrooms,
schools, and communities. Through required fieldwork in early childhood
settings, observation, interviews, and data collection, students will discuss the
role of the teacher(s), documentation and assessment techniques, variables of
the classroom environment, school climate, and the wider community. Stu-
dents will implement lesson plans and use a range of observation and
documentation strategies including running records, environmental rating
scales, and anecdotal records, checklists, rating scales, and examination of
children’s work. Goals of the course include linking community resources to
school and classroom needs, collecting data to inform instructional practice
and culturally responsive teaching and learning, and evaluating the progress
and needs of children in inclusive early childhood and elementary settings.
Fieldwork is required.
Prerequisites: Admission to Teacher Education Program. Special fee.
Corequisites: ECEL 413.
ECEL 412
SEMINAR I: INCLUSIVE ELEMENTARY CLASSROOMS 1.0
Accompanies ECEL 410, Clinical Experience I: Inclusive Elementary Class-
rooms, and offers students a forum for discussion, reflection, and critical
thinking with regard to clinical work in inclusive elementary classrooms.
Corequisites: ECEL 410
ECEL 413
SEMINAR I: INCLUSIVE EARLY CHILDHOOD CLASSROOMS 1.0
Accompanies Clinical Experience I: Inclusive Early Childhood Classrooms
and offers students a forum for discussion, reflection, and critical thinking with
regard to clinical work in classrooms.
Prerequisites: ECEL 420 is prerequisite or corequisite.
Corequisites: ECEL 411.
ECEL 414
CLINICAL EXPERIENCE II:
INCLUSIVE ELEMENTARY CLASSROOMS 8.0
Students demonstrate their knowledge of child and early adolescent develop-
ment and the significant role of families and communities with regard to
children’s learning by planning and implementing developmentally appropri-
ate and culturally responsive curriculum in an inclusive elementary classroom.
Focusing on the diverse needs of individual children, students develop,
implement, and assess an integrated curriculum unit that incorporates the Core
Curriculum Content Standards and emphasizes literacy across the curriculum.
As reflective practitioners, students utilize multiple strategies to assess children’s
learning, classroom climate, and effective classroom management. Students
are responsible for the full range of teacher activities in the classroom and are
expected to seek out parents, administrators, and school colleagues as re-
sources. Students are required to assemble an exhibition portfolio and partici-
pate in a mock interview in order to demonstrate their strengths as a teacher.
Prerequisites: ECEL 410, Special fee.
Corequisite: ECEL 421.
ECEL 415
CLINICAL EXPERIENCE II:
INCLUSIVE EARLY CHILDHOOD CLASSROOMS 8.0
Students demonstrate their knowledge of child development and the signifi-
cant role of families and communities with regard to children’s learning by
planning and implementing developmentally appropriate and culturally re-
sponsive curriculum in an inclusive early childhood classroom. Focusing on
the diverse needs of individual children, students develop, implement, and
assess an integrated curriculum unit that incorporates the Core Curriculum
Content Standards and emphasizes literacy across the curriculum. As reflec-
tive practitioners, students utilize multiple strategies to assess children’s
learning, classroom climate, and effective classroom management. Students
are responsible for the full range of teacher activities in the classroom and are
expected to seek out parents, administrators, and school colleagues as re-
sources. Students are required to assemble an exhibition portfolio and partici-
pate in a mock interview in order to demonstrate their strengths as a teacher.
Fieldwork is required.
Prerequisites: ECEL 411. Special fee.
Corequisites: ECEL 419.
ECEL 416
ARTS AND CREATIVE EXPRESSION IN EARLY CHILDHOOD 3.0
Introduces students to the process, skills, and inquiry of the arts through an
integrated curriculum approach. The content focus of the course will be the
visual and performing arts as related to literature, technology, and children’s
lives. Special emphasis will be placed on developing a critical perspective on
the arts, exploring arts media and creative expression, and fostering dialogue
and engagement of the arts as related to creativity, literacy strategies, culturally
responsive teaching and learning, and the role of the arts in a democratic
society.
ECEL 417
PROBLEM SOLVING IN SCIENCE, MATH, AND TECHNOLOGY
IN EARLY CHILDHOOD CLASSROOMS 3.0
Offers students preparing to teach young children an opportunity to learn about
various ways to design and implement experiences that will help children
understand the natural (science) and human made (technology) world. Stu-
dents will develop skills and dispositions for motivating young children to
discover, explore, and engage in experimentation and play in order to stimulate
intellectual growth through creativity and imagination. Students plan and
implement developmentally appropriate activities in science and technology,
as well as design an environment and promote an atmosphere that encourages
critical and creative thinking skills and problem solving strategies.
Prerequisites: Admission to Teacher Education Program.
ECEL 418
SOCIAL AND CULTURAL CONTEXT OF FAMILIES
AND COMMUNITIES 3.0
Provides students with an understanding of how social, cultural, economic,
and environmental influences shape children’s development and learning. The
relationships and role expectations among teacher, family, child, and commu-
nity as they affect learning will be explored. Methods for developing school/
family partnerships and how to use community resources to support families
will be discussed. Students will learn to take into account issues of child
diversity as they create learning experiences.
Prerequisites: ECEL 200.
ECEL 419
SEMINAR II: INCLUSIVE EARLY CHILDHOOD CLASSROOMS 1.0
Provides students with a forum to discuss the role of the teacher as teacher
candidates take on full-time classroom responsibilities. Discussions focus on
identifying and involving oneself in the professional field of early care and
education, upholding and advocating for ethical standards, engaging in con-
tinuous and collaborative learning, and taking a critical stance to inform
practice. Teacher candidates demonstrate that they can make and justify
decisions based on their knowledge of central issues such as developmentally
appropriate practice, culturally responsive learning and teaching, and the
context of children’s lives.
Corequisites: ECEL 415.
ECEL 420
BUILDING PROGRAMS AND COMMUNITY IN
INCLUSIVE EARLY CHILDHOOD CLASSROOMS. 3.0
Development of skills needed for the P-3 classroom teacher with an emphasis
on addressing diversity of needs through the application of Learning Styles and
Multiple Intelligence theory. Students will apply developmentally appropriate
practices, including play in classroom settings. Focus on the development of
the classroom environment and management strategies will support an under-
standing of classroom community. The roles of family and community in child
learning and linkages between families and schools will be explored. Students
will integrate the Core Curriculum Content Standards and both standardized
and authentic assessment strategies.
ECEL 421
SEMINAR II: INCLUSIVE ELEMENTARY CLASSROOMS 1.0
Provides students with a forum to discuss the role of the teacher as teacher
candidates take on full-time classroom responsibilities. Discussions focus on
identifying and involving oneself in the professional field of elementary and
middle school education, upholding and advocating for ethical standards,
engaging in continuous and collaborative learning, and taking a critical stance
to inform practice. Teacher candidates demonstrate that they can make and
justify decisions based on their knowledge of central issues such as develop-
mentally appropriate practice, culturally responsive learning and teaching,
and the context of children’s lives.
Corequisites: ECEL 414.
ECEL 422
INTEGRATING ELEMENTARY CURRICULUM AND ASSESSMENT FOR EQUITY AND DIVERSITY 3.0
Provides students with the opportunities to explore and experience research-based learning theories, teaching practices, curriculum, classroom management models, instructional strategies, and assessment used in upper elementary/middle level classrooms. Students will apply a framework of culturally responsive teaching and learning to curriculum development and building classroom community. Critical reviews of research, case study methods, planning and implementation of an integrated curriculum unit and reflection on one's teaching beliefs will be investigated through journal writing, classroom observations, curricular development, assessment techniques, and group discussion.
Prerequisites: ECEL 200.

ECEL 427
EXPLORATIONS: SCIENCE, MATH, AND TECHNOLOGY IN THE ELEMENTARY CLASSROOMS 3.0
Explores the nature of elementary science and math instruction, how to incorporate these disciplines in inclusive upper elementary/middle school classrooms. Hands-on/minds-on science and math activities and effective management techniques that engage children in the wonder and critical study of life, earth, physical (human-made), and space sciences will be examined. Strategies to adapt science and math learning to individual learners will be emphasized. Students will gain confidence and skills in the unifying concepts of science: systems, order, and organization; evidence, models and explanation; change, constancy, and measurement; evolution and equilibrium; and form and function. Mathematical concepts such as geometric thinking and spatial sense, chance and data analysis, number systems and number sense, patterns and algebraic thinking, and problem solving will also be explored.
Prerequisites: ECEL 200.

ECEL 435
CONTENT INTEGRATION AND ASSESSMENT IN INCLUSIVE EARLY CHILDHOOD CLASSROOMS 3.0
This course engages students in thoughtful, active exploration of their own learning experiences and their development as professionals who can think through and problem solve teaching and learning dilemmas. Students will be required to develop integrated curriculum units, articulate and discuss issues of teaching and learning, and assess curriculum as it is implemented in their classrooms. The course will focus on assessment of instructional strategies used in the classroom and assessment of children's development/learning as it relates to curriculum planning. Students will develop, implement, and assess an integrated unit, which is culturally responsive and adaptive to the needs of each child. Additional topics will include curriculum strategies, developing and assessing professional goals, and classroom management.
Prerequisites: ECEL 420.

READ 053
BASIC READING SKILLS 3.0
An intensive laboratory course for students who must fulfill their minimum basic skills requirement in reading. Non-additive credit. Traditional grading procedures in effect. Meets Basic Skills Requirement.

READ 102
COLLEGE READING AND STUDY SKILLS IMPROVEMENT 3.0
Workshop for university students whose reading-study problems interfere with school progress. Supervised practice promotes vocabulary growth, flexible speeds, comprehension and recall, skimming, interpretative and critical techniques. Reviewing for examinations, keeping up with daily assignments, taking notes and organizing content.

READ 105
READING: COMMUNICATING THROUGH TEXT 3.0
This course, designed for the general student, will foster a critical understanding of the processes involved in efficient and effective reading. Emphasis will be placed on developing students' life-long reading habits in relation to comprehension, aesthetic sensibilities and analytical skills. Meets the 1983 General Education Requirement (GER)--Communication, Reading.
EARTH AND ENVIRONMENTAL STUDIES

COLLEGE OF SCIENCE AND MATHEMATICS
Chairperson: Gregory A. Pope

The department offers a major in geography, a major in geoscience, a major in geoscientific concentration in environmental science, earth science teacher certification and a minor in geoscience.

The geography major leads to a Bachelor of Arts degree. The teaching emphasis in geography is on the formulation of concepts and theory, analysis of environmental and census data, data presentation techniques, relationships between human and natural elements, locational analysis and environmental and urban problem solving. Students may specialize in environmental studies, urban studies or geography and regional analysis by selecting appropriate elective courses. All specializations are applied in their nature and lead to careers in fields such as environmental management, city and regional planning, community development, economic development, transportation planning and real estate development. An important feature of the geography major is a recommended full semester, off-campus internship that enables students to work in public and private agencies.

The Geoscience major leads to a Bachelor of Science degree. Geoscience includes the study of earth materials, earth processes and earth history as well as the study of the earth's oceans and atmosphere. Students in the geoscience major are prepared for careers as professional geologists working for environmental planning and remediation companies, mining and petroleum industries, government agencies and construction companies. The geoscience major also prepares students for graduate study in the geological sciences and related specialties. Nearly all courses taken within the geoscience major include laboratory and off-campus field studies.

A concentration in environmental science is offered as an option within the geoscience major for those students seeking careers in the environmental consulting industry. This concentration includes biology, chemistry and nontraditional environmental geology courses not required for the standard geoscience major. Earth Science teaching certification is available for majors who also complete the professional teaching sequence. A minor in geoscience is also available.

Geography Major

Required Courses (15-16 semester hours) Semester Hours
EUGS 100 Principles of Geography .................................................3
OR
GEOS 107 Planet Earth ......................................................................4
EUGS 101 Human Geography ..........................................................3
OR
EUGS 102 World Geography ............................................................3
EUGS 206 Introduction to American Urban Studies .........................3
EUGS 270 Geographic Information Systems I: Digital Mapping .........3
EUGS 309 Research Methods .............................................................3
One of the following:
EUGS 466 Senior Seminar in Geography .........................................3
EUGS 464 Senior Seminar in Urban Studies .......................................3

Major Electives (17-18 semester hours)
Select 17-18 semester hours from the following list (to complete a total of 36 semester hours for the major). Must include at least 3 semester hours each from Physical/Environmental, Urban, and Regional/Spatial Analysis, respectively.

Physical/Environmental Geography
BIOL 213 Introduction to Ecology ..................................................4
ENVR 410 Environmental Law .........................................................3
ENVR 456 Hydroclimatology .............................................................3
GEOS 201 Climatology ....................................................................3
GEOS 254 Geomorphology and Climatology of North America .......3
GEOS 257 Understanding Weather and Climate ..............................4
GEOS/ENVR 352 Fluvial Geography ...............................................3
GEOS 403 Man’s Impact on the Coastal Zone ......................................4
GEOS 404 Geo-Ecology ..................................................................4
GEOS 450 Principles of Soil Science ...............................................3
GEOS/ENVR 452 Geohydrology ......................................................3
GEOS 454 Environmental Geochemistry ........................................3
GEOS 457 Meteorology ..................................................................4
PHMS 210 Introduction to Marine Sciences ......................................4

Urban Systems
EUGS 100 Principles of Geography ...............................................3
EUGS 205 Geography of East and Southeast Asia ............................3
EUGS 208 Land and Life in Latin America ......................................3
EUGS 303 Field Geography ..............................................................3
EUGS 306 Geography of South Asia ................................................3
EUGS 310 Quantitative Methods in Geography and Urban Studies ....3
EUGS 412 Geography of Sub-Saharan Africa ..................................3
EUGS 413 Geography of the Middle East .........................................3
EUGS 424 Geography of New Jersey ..............................................3
EUGS/GEOS 470 Geographic Information Systems (GIS) ................3
GEOS 251 Aerial Photograph Interpretation .....................................4
GEOS 455/ENVR 455 Fundamentals of Remote Sensing of the Environment .........................................................3

Regional and Spatial Analysis
EUGS 102 World Geography ..........................................................3
EUGS 205 Geography of East and Southeast Asia ............................3
EUGS 208 Land and Life in Latin America ......................................3
EUGS 303 Field Geography ..............................................................3
EUGS 306 Geography of South Asia ................................................3
EUGS 310 Quantitative Methods in Geography and Urban Studies ....3
EUGS 412 Geography of Sub-Saharan Africa ..................................3
EUGS 413 Geography of the Middle East .........................................3
EUGS 424 Geography of New Jersey ..............................................3
EUGS/GEOS 470 Geographic Information Systems (GIS) ................3
GEOS 251 Aerial Photograph Interpretation .....................................4
GEOS 455/ENVR 455 Fundamentals of Remote Sensing of the Environment .........................................................3

Other courses listed in catalog that may be substituted for electives with approval from your advisor:
EUGS 425 Readings in Geography ..................................................3
EUGS 426 Independent Study in Geography ...................................1-4
EUGS 427 Pre-seminar in Geography ..............................................3

Collateral Courses
Statistical Literacy
MATH 109 Statistics ........................................................................3

Choose one of the following 8 sequences:
Physics:
PHYS 193 College Physics I ............................................................4
PHYS 194 College Physics II ...........................................................4
OR
PHYS 191 University Physics I .......................................................4
PHYS 192 University Physics II ......................................................4

Mathematics and Computer Science
MATH 112 Precalculus Mathematics ...............................................3
CMPT 183 Foundations of Computer Science I ..............................3
CMPT 184 Foundations of Computer Science II ..............................3

Chemistry
CHEM 120 General Chemistry I .....................................................4
CHEM 121 General Chemistry II ......................................................4

Biology
BIOL 112 Principles of Biology I ......................................................4
BIOL 113 Principles of Biology II ......................................................4

Geoscience
GEOS 112 Physical Geology ..........................................................4
GEOS 114 Historical Geology ..........................................................4
Economics and Management
ECON 101 Principles of Economics: Macro ...........................................3
ECON 102 Principles of Economics: Micro .............................................3
MGMT 231 Management Processes .........................................................3

Sociology
SOCI 201 Foundations of Sociological Inquiry ........................................4
Plus a minimum of 4 additional semester hours of 200-400 level SOCI courses.

Anthropology
ANTH 100 Cultural Anthropology .........................................................3
ANTH 201 Contemporary Practical Anthropology ..................................3
Choice of:
ANTH 210 Urban Anthropology ............................................................3
OR
any one ANTH Area Elective

**Concentration in Urban Studies**

**Required Courses**

- EUGS 100 Principles of Geography ..................................................3
- EUGS 101 Human Geography ..............................................................3
- EUGS 102 World Geography ...............................................................3
- EUGS 206 Introduction to American Urban Studies ...........................3
- EUGS 309 Research Methods ..............................................................3

**Urban Studies Electives**

Select 21 semester hours from the appropriate list to be obtained from the department .................................................................21

**Concentration in Environmental Studies**

**Required Courses (22 semester hours)**

- GEOS 107 Principles of Geography .....................................................4
- EUGS 102 World Geography ...............................................................3
- EUGS 206 Introduction to American Urban Studies ...........................3
- EUGS/GEOS 270 Geographic Information Systems (G.I.S.) ...............3
- EUGS 309 World Resources and Industries ..........................................3
- EUGS 466 Senior Seminar in Geography ............................................3
- MATH 109 Statistics ...........................................................................3

**Environmental Studies Core (32 semester hours)**

- ENVR/PSYC 109 The Human Environment ........................................3
- ENVR/GEOS 252 Hydrology ...............................................................3
- EUGS/ENVR/ECO 300 World Resources and Industries ....................3
- ENVR 410 Environmental Law ............................................................3
- EUGS 331 Urbanization and Environment ..........................................3

**OR**

- GEOS 450 Principles of Soil Science ..................................................3
- EUGS/GEOS 470 Geographic Information Systems (GIS) ..................3

**Environmental Studies Electives**

Choose one of the following natural science sequences:

a) BIOL 113 Principles of Biology II ......................................................3
b) CHEM 120 General Chemistry I ......................................................3

Choose one of the following social science policy sequences:

a) LSLW 200 Introduction to Law ..........................................................3
b) ECON 101 Principles of Economics: Macro ......................................3

**Environmental/Geography Electives (6 semester hours)**

Select six semester hours from the following:

- EUGS 204 Principles of Land Use .....................................................3
- EUGS 205 Geography of East and Southeast Asia .............................3
- EUGS 208 Land and Life in Latin America ........................................3
- EUGS 209 Urban Design and Architecture ........................................3
- EUGS 213 Urban Geography ............................................................3
- EUGS 234 Transportation .................................................................3
- EUGS 301 Urban Field Studies ..........................................................3
- EUGS 303 Field Geography .............................................................3
- EUGS 306 Geography of South Asia ................................................3
- EUGS 310 Quantitative Methods in Geography and Urban Studies ......3
- EUGS/HIST 312 Historical Geography of the US ..............................3
- EUGS 331 Urbanization and Environment .........................................3
- EUGS/GEOS 352 Fluvial Geomorphology ..........................................3
- EUGS 408 Geopolitics ......................................................................3
- EUGS 412 Geography of Sub-Saharan Africa ...................................3
- EUGS 413 Geography of the Middle East ...........................................3
- EUGS 424 Geography of New Jersey ................................................3
- EUGS 426 Independent Study in Geography ......................................1-4
- EUGS 427 Pro-seminar in Geography ................................................3
- EUGS 460 Urban Planning ...............................................................3
- EUGS 462 People and Cities: Comparative Urban Studies ...............3
- EUGS 463 Internship ........................................................................1-3
- EUGS/GEOS 470 Geographic Information Systems (GIS) ..................3
- ENVR 456 Hydroclimatology ..............................................................3
- ENVR/GEOS 452 Geohydrology .........................................................3
- ENVR/GEOS 455 Fundamentals of Remote Sensing ..........................3

**Teacher Certification**

**(Social Studies)**

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in at least two of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

**Geoscience Major**

**Required Courses**

- GEOS 112 Physical Geology .............................................................4
- GEOS 114 Historical Geology ............................................................4
- GEOS 431 Invertebrate Paleobiology ................................................4
- GEOS 434 Stratigraphy .................................................................4
- GEOS 443 Mineralogy .................................................................4
- GEOS 444 Petrology .................................................................4
- GEOS 472 Structural Geology ..........................................................3

**Collateral Courses**

CHEM 120, 121 General Chemistry I, II ..............................................4 each
Select one of the following two sequences in mathematics:

- MATH 112 Precalculus Mathematics ................................................3
- MATH 116 Calculus A ...................................................................3
- MATH 122 Calculus I ....................................................................3
- MATH 221 Calculus II ................................................................3
Select one of the following two sequences in physics:

- PHYS 191, 192 University Physics I, II ...........................................4 each
- PHYS 193, 194 College Physics I, II .............................................4 each

**Recommended in addition to the above:**

CMPT 183 Foundation of Computer Science I ..................................3
MATH 109 Statistics ..................................................................3
Electives (Departmental)
Select 11 semester hours from the appropriate list to be obtained from the department .................................................................11

Concentration in Environmental Science
Required Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 132</td>
<td>Animal Form and Function</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 213</td>
<td>Introduction to Field Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 256</td>
<td>Applied Environmental Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 230</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>Experimental Organic Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>GEOS 112</td>
<td>Physical Geology (required major course)</td>
<td>4</td>
</tr>
<tr>
<td>GEOS 450</td>
<td>Principles of Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>GEOS 452</td>
<td>Geohydrology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:
- GEOS 454 Environmental Geochemistry..........................3
- CHEM 320 Environmental Chemical Analysis................3

Research Requirement
GEOS 490 Seminar in Geoscience ......................................2

Electives (Departmental)
Select a minimum of 3 s.h. from the following:
The following electives may not count as Geoscience major electives:

BIOL 300 Environmental Biology and Related Controversial Issues...3
BIOL 370 Principles of Ecology .........................................4
BIOL 426 New Jersey Flora..................................................4
BIOL 430 Field Ornithology .................................................3
BIOL 460 Biological Oceanography .......................................3
BIOL 461 Limnology ............................................................3

The following electives may count as Geoscience major electives:
- GEOS 250 Map Reading and Cartography................................4
- GEOS 251 Aerial Photograph Interpretation.....................4
- GEOS 310 Economic Geology ..............................................3
- GEOS 457 Meteorology .....................................................4
- GEOS 480 Field Studies in Geoscience .............................4

Geoscience Minor
Required Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
</table>
| GEOS 112  | Physical Geology..................................................4
| GEOS 114  | Historical Geography...............................................4

Select one of the following two sequences:
- GEOS 431 Invertebrate Paleobiology..........................4
- GEOS 434 Stratigraphy .................................................4
- OR
- GEOS 443 Mineralogy .....................................................4
- GEOS 444 Petrology ......................................................4

Electives (Departmental)
Select 3 semester hours from the appropriate list to be obtained from the department .................................................................3

Urban Studies Minor
Required Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
</table>
| EUGS 206  | Introduction to American Urban Studies ....................3
| EUGS 462  | People and Cities: Comparative Urban Studies ............3
| EUGS 463  | Internship ..........................................................12
| EUGS 464  | Senior Seminar in Urban Studies ............................3

Teacher Certification
Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Geoscience majors qualify for the New Jersey Earth Science Teaching Certificate.

Second Teaching Field in Earth Science
An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Special Program Requirements

Geoscience Honors
- Geoscience Major
- Overall Grade Point Average 3.50
- Geoscience Grade Point Average 3.50

Additional Courses
- GEOS 491 Literature Research in Geoscience
- GEOS 492 Laboratory Research in Geoscience
- Minimum of 40 Geoscience credits completed

Courses of Instruction

ENVR 109
THE HUMAN ENVIRONMENT                                          3.0
An interdisciplinary course which explains the human impact, as social groups and individuals, on the natural environment. It explores the relationships and interconnectedness between natural processes and social, economic, cultural, technological, and political culture. Critical environmental issues are discussed. Cross listed with Psychology, PSYC 109. Meets the Gen Ed 2002–2006 Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Contemporary Issues.

ENVR 252
HYDROLOGY                                                    3.0
Prerequisite: Special fee.

ENVR 313
ENVIRONMENTAL POLICY                                    3.0
The course studies U.S. environmental policy in air, water, land use, agriculture, energy, and waste disposal and other areas. It examines the major ideas that shape environmental policy, the institutional processes by which these ideas are turned into policy, and how these policies affect both U.S. and global environments. Issues of international environmental policy will also be discussed.

ENVR 410
ENVIRONMENTAL LAW                                 3.0
The study of the National Environmental Policy Act; the Environmental Impact Statement; the Clean Air Act; the Clean Water Act; Toxic Substances Control Act; Solid and Hazardous Waste; related environmental laws, i.e., OSH Act; and litigation are analyzed. Aspects of environmental law, within which institutions and corporations must operate, are discussed. Cross listed with Earth and Environmental Studies, EUGS 410.

ENVR 452
GEOHYDROLOGY                                        3.0
The study of ground water with particular emphasis given to its mode of migration, chemistry and relation to the geographic environment. Particular attention is given to Darcy's law, soil porosity, soil permeability and the ability to withdraw water for human consumption. Water pollutants and salt water incursions are investigated. Spatial distributions are analyzed and the processes examined. Cross listed with Earth and Environmental Studies, GEOS 452.
Prerequisite: GEOS 112 or GEOS 252 or ENVR 252. Special fee.

ENVR 455
FUNDAMENTALS OF REMOTE SENSING OF ENVIRONMENT         3.0
Systematic study of multiband spectral reconnaissance of the environment; multifrequency radar systems and their uses. Cross listed with Earth and Environmental Studies, GEOS 455.
Prerequisites: GEOS 112 or GEOS 107 or GEOS 125 or EUGS 100. Special fee.
ENVR 456
HYDROCLIMATOLOGY 3.0
Climatology emphasizing moisture as one of the fundamental factors in climatic analysis; processes and problems of classification and variability. Examines energy and water balance.
Prerequisite: Special fee.

EUGS 100
PRINCIPLES OF GEOGRAPHY 3.0
The course studies the major elements of the natural environment and their interrelation. The principles and processes essential to the understanding of the natural environmental system and their significance are stressed. The elements studied include: atmosphere, weather and climate, continents, landforms, river systems, ocean currents and tides, soils, vegetation, animal and marine life. Meets the 1983 General Education Requirement (GER) - Natural Physical Science, Non-Laboratory Science Only.

EUGS 101
HUMAN GEOGRAPHY 3.0
Human Geography presents the interaction of culture and environment. Variations in environment and culture result in great differences how culture is imprinted upon the environment. The role of politics, language, religion, economics, urban systems, and technology reveal the relative intensity with which culture roots in nature. Emphasis is upon culture as a force that shapes the human use of the earth. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Social Science, Survey Course.

EUGS 102
WORLD GEOGRAPHY 3.0
World geography aims to present essential facts and concepts about the natural and human environment of major regions and countries. The course presents a picture of regions as developed through the interactions of natural, cultural, economic and political forces. Geopolitical, social and economic relationships between and among countries are studied. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER) - Social Science, Topic Course.

EUGS 206
INTRODUCTORY TO AMERICAN URBAN STUDIES 3.0

EUGS 207
GEOGRAPHY OF EAST AND SOUTHEAST ASIA 3.0
Regional analysis of East Asia (China and Japan) and Southeast Asia (Indonesia); (1) physical environment; (2) human landscape and their cultural heritages; (3) contemporary issues including economic development, political configurations, and environmental problems. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives.

EUGS 208
LAND AND LIFE IN LATIN AMERICA 3.0
Land and Life in Latin America is a regional survey course that explores and explains the physical-human interface and the constantly changing environmental societal needs. The course focuses on the functional processes that mold contemporary states and regional realignments. Emphasis is upon environmental conservation, demographic transitions, the role of culture and politics to foster a viable ecumene. Meets Gen Ed 2000 Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course. Meets the Multicultural Awareness Requirement.

EUGS 213
URBAN GEOGRAPHY 3.0
Principles of location, interaction in the socioeconomic spheres, and the increasing importance of sustainable environmental management are dominant themes. Close attention to socio-spatial conditions, especially the housing sector, are addressed, as well as the suburbanization process and the urban sprawl challenge to a viable long-term urban system. Assignments are structured to introduce students to professional presentations of data, both maps and graphics, and written analysis. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

EUGS 234
TRANSPORTATION 3.0
Transportation is the study of spatial interaction of economic factors and societal functioning. Transportation flows are analyzed in the context of technological change, degree of accessibility, different transport cost surfaces, and transportation as it relates to land use planning.

EUGS 270
GEOGRAPHIC INFORMATION SYSTEMS I: DIGITAL MAPPING 3.0
Introduces the basic principles of Geographic Information Systems (GIS) with focus on digital mapping and cartographic science; including graphic design, spatial data portrayal and inquiry, map overlays, and applications. Prerequisite or corequisite: CMPT 109 or CMPT 183. Special fee.

EUGS 300
WORLD RESOURCES AND INDUSTRIES 3.0
Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Economics and Finance, ECON 300.

EUGS 309
RESEARCH METHODS 3.0
The course introduces a widely used statistical package to analyze data. The application and interpretation of results of frequently used statistical techniques remains the primary focus. Survey research techniques are stressed. All the steps in the completion of a research project are emphasized. Meets the University Writing Requirement for GEEN, GEG, GEUR majors.

EUGS 312
HISTORICAL GEOGRAPHY OF THE UNITED STATES 3.0
The slow pace of settlement of the Eastern Seaboard and the development of distinctive culture hearths prior to 1800; the rapid settlement and diffusion of culture traits in the area beyond the Appalachians since 1800. Cross listed with History, HIST 312.

EUGS 331
URBANIZATION AND ENVIRONMENT 3.0
Examines interaction between man and the physical urban environment. Studies dynamic and physical processes as related to air, water and noise pollution, and hydrologic and geologic hazards.

EUGS 352
FLUVIAL GEOGRAPHY 3.0
Examines the fluvial geographic features and processes, which are shaped by water flow in streams and rivers. Cross listed with Geography, GEOG, GEUR majors.

EUGS 408
GEOPOLOGICS 3.0
Main theories of the field and their application to selected political entities, current problem zones and the spatial interaction of nations.
EUGS 441

ENVIRONMENTAL LAW 3.0
The study of the National Environmental Policy Act; the Environmental Impact Statement; the Clean Air Act; the Clean Water Act; Toxic Substances Control Act; Solid and Hazardous Waste; related environmental laws, i.e., OSHA Act; and litigation are analyzed. Aspects of environmental law, within which institutions and corporations must operate, are discussed. Cross listed with Earth and Environmental Studies, ENV R 410.

EUGS 412

GEOGRAPHY OF SUB-SAHARA AFRICA 3.0
Topical and regional study of African soils, vegetation, climate, physiography, mineral resources and other aspects of the physical environment in the light of man’s habitation of the continent. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.

EUGS 413

GEOGRAPHY OF THE MIDDLE EAST 3.0
Topical study of area extending from Morocco to Iran: arid land agriculture, nomadism, land tenure systems, settlement patterns, problems of industrial development, and socio-economic and military implications of region’s oil wealth. Includes Arab culture and Islamic influences on urban and rural landscapes. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.

EUGS 424

GEOGRAPHY OF NEW JERSEY 3.0
Demographic and economic organization of the State. Spatial contrasts in population density; suburban-central city interactions; the influence of New York and Philadelphia on landscape organization. Philosophical concepts of regionalism and investigation of micro-regionalism in New Jersey.

EUGS 426

INDEPENDENT STUDY IN GEOGRAPHY 1.0–4.0
Preparation of a research paper or project to be presented to members of the staff. Prerequisites: Junior and senior majors only; departmental approval.

EUGS 427

PRO-SEMINAR IN GEOGRAPHY 3.0
Problem-oriented seminar. Specific topics in urban, environmental studies or geography. Content changes according to the needs of the instructor. May be taken three times for a total of 9 credits.

EUGS 460

URBAN PLANNING 3.0
The course focuses on the principles, processes, and practices of urban planning. The formulation of policies and the management roles of the planning agencies are emphasized.

EUGS 462

PEOPLE AND CITIES: COMPARATIVE URBAN STUDIES 3.0
Introduction and cross-cultural investigation of the processes of urbanism and urbanization: formation, structure and functioning of cities throughout the world. Cross listed with Anthropology, ANTH 462.

EUGS 463

INTERNSHIP 3.0-12.0
A full semester internship in an urban or environmental agency. Students will be expected to carry out agency assignments, observe and participate in decision making processes and engage in middle management activities. Prerequisite: Departmental approval and at least 24 semester hours in the major.

EUGS 464

SENIOR SEMINAR IN URBAN STUDY (URBAN STUDIES INTERNSHIP) 3.0
A seminar to be taken in conjunction with the urban studies semester internship, and designed as a synthesis of the various approaches in urban studies which the student has acquired in previous urban-related courses. Each semester the seminar focuses upon a specific in-the-field research project, and an analysis and evaluation of the student’s internship experience. Prerequisite: Departmental approval.

EUGS 465

HONORS RESEARCH 3.0
Provides original research experience to superior undergraduates. Prerequisite: Departmental approval.
GEOS 125  
EARTH AND THE ENVIRONMENT  4.0  
The study of the natural processes of the earth and the effects of human activities on the environment. Earth materials, processes and systems, and the engineering properties of natural materials will be discussed, as well as pollution of soil, water and air. Meets the Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Sciences, Laboratory or Non-Laboratory Science.  
Prerequisite: Not open to those who have had GEOS 107 Planet Earth, GEOS 108 Principles of Geology or GEOS 112 Physical Geology. Special fee.

GEOS 162  
GENERAL OCEANOGRAPHY  3.0  
A general study of the oceans and methods of modern oceanography including the physical, chemical, geological, and biological aspects of the oceans and their interrelationships. This course is designed for non-science majors. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-Laboratory Science Only.

GEOS 252  
HYDROLOGY  3.0  
Prerequisite: Special fee.

GEOS 254  
GEOMORPHOLOGY AND CLIMATOLOGY OF NORTH AMERICA  3.0  
Major controls of climate and the landforms of North America are analyzed in order to gain an understanding of how the continent compares and is related to the rest of the world. The basis and distinct characteristics of the subdivisions of North America are examined in order to bring out contrasts and unique features within the continent.  
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.

GEOS 257  
UNDERSTANDING WEATHER AND CLIMATE  4.0  
Presents a basic understanding of the dynamic atmosphere, and explores the impacts that weather and climate have on humans and the biosphere. Basic physical laws of energy and motion are employed to explain temperature, precipitation, atmospheric circulation, storms, and how climates vary regionally. Connections are made toward management of weather hazards, air pollution, impacts on agriculture and economy, and environmental and social implications of climate change. Lectures are supplemented by current events discussions and hands-on exercises in laboratory sections. Meets Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-Laboratory Science for students who take the course Fall 2002 or thereafter. Meets the University Writing Requirement for GEES, GEOS majors.  
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.

GEOS 352  
FLUVIAL GEOGRAPHY  3.0  
A detailed study of streams and rivers emphasizing processes causing variations in size and shape. The course analyses the morphology of stream channels. The course is quantitative and stresses processes. Cross listed with Earth and Environmental Studies, EUGS 352.  
Prerequisites: GEOS 107 or GEOS 112 or GEOS 125 or EUGS 100. Special fee.
GEOS 480
FIELD STUDIES IN GEOSCIENCE 4.0
Use of geologic, meteorologic and oceanographic instruments in field investigations, interpretation of observations and writing a field report. Required field trips.  
Prerequisite: GEOS 434 or GEOS 444 or GEOS 472. Special fee.

GEOS 484
GEOLGY FIELD TRIP 1.0
A five-day to one-week trip through areas of geologic significance. A geoscience major is expected to participate in at least one of the trips. Field trip report and collection required. Expenses shared by the participants.  
Prerequisites: GEOS 112 and 114.

GEOS 490
SEMINAR IN GEOSCIENCE 2.0
Student field, laboratory and library investigation of a problem in the area of his/her interest in geoscience; results presented in oral and written form. Class discussion of the individual papers and of other pertinent topics of current interest in geoscience. Not offered every year.  
Prerequisite: Departmental approval.

GEOS 491
LITERATURE RESEARCH IN GEOSCIENCE 2.0
Each participating student conducts an in-depth library research of a specific problem of his/her interest in geoscience under the guidance of a sponsoring faculty member. The results of the study will be presented in a written research-style report.  
Prerequisite: Departmental approval.

GEOS 492
LABORATORY RESEARCH IN GEOSCIENCE 1.0-4.0
Each student conducts individual research on a specific problem in geoscience under the guidance of a sponsoring faculty member. The research may be based on earlier field or literary investigations. The results of the study will be presented in a written research-style report.  
Prerequisite: Departmental approval.

GEOS 494
SELECTED TOPICS IN GEOSCIENCE 1.0-4.0
An in-depth study of a particular topic in geoscience, the specific subject matter of which is not offered regularly in an existing course.  
Prerequisite: Departmental approval.

GEOS 495
INDEPENDENT STUDY IN GEOSCIENCE 1.0-4.0
An opportunity for the qualified student to do library and/or laboratory investigation in a field of science of his/her choice under the guidance of a faculty member. The course is conducted exclusively by scheduled individual conferences and reports. (Offered on demand.)  
Prerequisite: Majors only; departmental approval.

PHMS 210
INTRODUCTION TO MARINE SCIENCES 4.0
A general study of the marine sciences, including origin and evolution of the oceans, physical and chemical properties of seawater, marine life, oceanic circulation, atmospheric-ocean exchange and other processes that take place in the oceans. This course also deals with marine resources and human interaction with the marine environment. Field trips required. May be taught off-campus at the New Jersey Marine Sciences Consortium in the summer.  
Meets Gen Ed 2002–Natural/Physical Science Laboratory.  
Prerequisite: Departmental approval. Not open to those who have taken GEOS 162 General Oceanography. Special fee.

PHMS 460
MARINE SCIENCE EDUCATION 3.0
Selected field experiences and laboratory methods utilized to develop resources from the marine environment to be used in teaching the various disciplines. Offered at the site of the New Jersey Marine Sciences Consortium.  
Prerequisite: Departmental approval.
ECONOMICS AND FINANCE

SCHOOL OF BUSINESS
Chairperson: Sang-Hoon Kim

Economics is the study of how market and non-market institutions can best allocate relatively scarce resources to promote individual and social welfare. As such, it offers well-defined mechanisms for analyzing a wide array of theoretical and policy-oriented issues. Finance builds on the foundations of economics to provide students with a professional background in both corporate finance and investments. Together, the curriculum in economics and finance is designed to contribute to a broad-based liberal arts education by expanding a student’s perception of the economic and financial decisions that individuals and societies must make under widely varying conditions. Strong emphasis is given to the development of skills in analytical reasoning, quantitative fluency, written and oral communications, as well as creative excellence.

The Department currently offers four undergraduate programs. The undergraduate programs are: the B.A. in Economics, the B.A. in Economics with a Concentration in Business Economics, the B.S. in Business Administration with a Concentration in Economics, and the B.S. in Business Administration with a Concentration in Finance. The program eligibility requirements for this program are listed in this catalog under “Business Administration”. Please refer to the index for the page number. In addition to preparing students for direct career experience in business, government and the professions, the program provides excellent preparation for graduate work in Economics, Finance, and in related disciplines. Departmental faculty also support the Concentration in Economics and the Concentration in Finance in Montclair State’s M.B.A. program, as well as the Concentration in Economics in Montclair State’s M.A. in Social Sciences. Given the active participation of faculty in teaching, research, and community service, the undergraduate programs in Economics and Finance benefit from the skills of highly experienced professionals.

Economics Major

Students who wish to major in Economics should consult with the chairperson of the department for admissions standards applicable to first-year, internal and external transfer students. Copies of the program guide and worksheet are available through the Department of Economics and Finance.

Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101</td>
<td>Principles of Economics: Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 207</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 208</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 420</td>
<td>Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 438</td>
<td>Advanced Seminar in Economics</td>
<td>3</td>
</tr>
<tr>
<td>INFO 270</td>
<td>Statistics for Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses

Select 15 semester hours from the courses listed below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 206</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 215</td>
<td>The Economics of Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>ECON 250</td>
<td>Selected Topics in Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 300</td>
<td>World Resources and Industries</td>
<td>3</td>
</tr>
<tr>
<td>ECON 301</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECON 303</td>
<td>Economic Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECON 308</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 311</td>
<td>Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>Business Cycles and Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 401</td>
<td>Financial Institutions</td>
<td>3</td>
</tr>
<tr>
<td>ECON 402</td>
<td>International Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 403</td>
<td>Comparative Economic Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECON 405</td>
<td>Economic Development of Sub-Saharan Africa</td>
<td>3</td>
</tr>
</tbody>
</table>

Collateral Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 273</td>
<td>Introduction to Computers in Business</td>
<td>3</td>
</tr>
<tr>
<td>INFO 320</td>
<td>Administrative Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Mathematics for Business II: Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduation in Economics requires that a student complete a total of 39 credits in the major. Additional information on first year, transfer, and re-admission standards, along with course updates, scheduling sequences, departmental honors, and graduation requirements are found in the Undergraduate Program Guide, available through the department.

Concentration in Business Economics

Required Economics and Business Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101</td>
<td>Principles of Economics: Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 207</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 208</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 420</td>
<td>Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 438</td>
<td>Advanced Seminar in Economics</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 201</td>
<td>Fundamentals of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 202</td>
<td>Fundamentals of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FINC 321</td>
<td>Fundamentals of Finance</td>
<td>3</td>
</tr>
<tr>
<td>INFO 270</td>
<td>Statistics for Business</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 231</td>
<td>Management Processes</td>
<td>3</td>
</tr>
</tbody>
</table>

Economics Electives:

Students must select 6 semester hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 301</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECON 308</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 311</td>
<td>Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>Business Cycles and Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 401</td>
<td>Financial Institutions</td>
<td>3</td>
</tr>
<tr>
<td>ECON 402</td>
<td>International Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 403</td>
<td>Comparative Economic Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Electives:

Students must select 9 semester hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 301</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 307</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>INFO 371</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>FINC 322</td>
<td>Capital Budgeting</td>
<td>3</td>
</tr>
<tr>
<td>FINC 326</td>
<td>Investment Principles</td>
<td>3</td>
</tr>
<tr>
<td>FINC 327</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 430</td>
<td>Futures/Options and Other Derivatives</td>
<td>3</td>
</tr>
</tbody>
</table>

Collateral Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 273</td>
<td>Introduction to Computers in Business</td>
<td>3</td>
</tr>
<tr>
<td>INFO 320</td>
<td>Administrative Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Mathematics for Business II: Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Teacher Certification (Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Economics Minor

The department maintains a minor program for all majors at Montclair State. It involves the completion of 18 semester hours from courses in Economics, 12 credits of which are based on ECON 101 Principles of Economics Macro; ECON 102 Principles of Economics Micro; ECON 207 Intermediate Microeconomic Analysis; and ECON 208 Intermediate Macroeconomic Analysis, with 6 credits at the 300 and 400 level to be selected from a program list available through the department.
Business Administration Major

Students majoring in Business Administration must complete 33 semester hours of core courses, and 12 semester hours of collateral courses. Students should consult with the Academic Advisor of the School of Business Administration regarding admission standards for first-year, internal and external transfer students.

Required Core, Business Administration (33 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 201</td>
<td>Fundamentals of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 202</td>
<td>Fundamentals of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BSLW 264</td>
<td>Legal, Ethical and Global Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FINC 321</td>
<td>Fundamentals of Finance</td>
<td>3</td>
</tr>
<tr>
<td>INFO 270</td>
<td>Statistics for Business</td>
<td>3</td>
</tr>
<tr>
<td>INFO 371</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>INFO 375</td>
<td>Operations Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 231</td>
<td>Management Processes</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 339</td>
<td>Business Policy</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 240</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 346</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Collateral Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 114</td>
<td>Mathematics for Business II: Calculus</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Economics: Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>INFO 273</td>
<td>Introduction to Computers in Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration in Economics

Required Economics Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 206</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 207</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 208</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 301</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
</tbody>
</table>

Economics Electives

Select 2 courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 303</td>
<td>Economic Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECON 308</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 311</td>
<td>Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>Business Cycles and Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 401</td>
<td>Financial Institutions</td>
<td>3</td>
</tr>
<tr>
<td>ECON 402</td>
<td>International Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 420</td>
<td>Econometrics</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Administration Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 320</td>
<td>Business Communications</td>
<td>3</td>
</tr>
</tbody>
</table>

And select 9 semester hours from the appropriate list to be obtained from the department

Concentration in Finance

Required Finance Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINC 322</td>
<td>Capital Budgeting Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 326</td>
<td>Investment Principles and Portfolio Theory</td>
<td>3</td>
</tr>
<tr>
<td>FINC 327</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 490</td>
<td>Seminar in Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Finance Elective

Select one course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINC 423</td>
<td>Advanced Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>FINC 425</td>
<td>Working Capital Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 429</td>
<td>Real Estate Investments</td>
<td>3</td>
</tr>
<tr>
<td>FINC 430</td>
<td>Futures/Options</td>
<td>3</td>
</tr>
<tr>
<td>FINC 431</td>
<td>Advanced International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>ECON 301</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECON 401</td>
<td>Financial Institutions</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Administration Electives

Select 12 semester hours from the appropriate list to be obtained from the department

Courses of Instruction

ECON 100
INTRODUCTION TO ECONOMICS 3.0
Major objectives and features of the American economy, including operations of a market economy, structure and function of business, money and banking, government and business relations. For non-majors only. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Survey Course.

Prerequisites: Not open to Economics majors; may not be taken after ECON 101 and/or ECON 102.

ECON 101
PRINCIPLES OF ECONOMICS: MACRO 3.0

ECON 102
PRINCIPLES OF ECONOMICS: MICRO 3.0

ECON 206
MANAGERIAL ECONOMICS 3.0
The application of economic theory in the decision-making processes of the firm; utilization of economic analysis in the study of demand, costs, pricing and capital investment decisions.

Prerequisites: ECON 203; or ECON 101 and ECON 102 and INFO 270; or ECON 101 and ECON 102 and INFO 271.

ECON 207
INTERMEDIATE MICROECONOMIC ANALYSIS 3.0
The basic determinants of market demand. Input-output relationships in determining cost structure. Determination of prices received by resource owners in the productive process. Theory of the firm and pricing in different types of market organization with varying degrees of competitive conditions.

Prerequisites: ECON 101 and ECON 102.

ECON 208
INTERMEDIATE MACROECONOMIC ANALYSIS 3.0
The factors comprising aggregate demand and how they interact to determine the level of employment, output and the price level, the role of monetary and fiscal policy.

Prerequisites: ECON 101 and ECON 102.

ECON 215
THE ECONOMICS OF SOCIAL PROBLEMS 3.0

ECON 250
SELECTED TOPICS IN ECONOMICS 3.0
An in-depth study of a particular theoretical or applied area of economics.
ECON 300
WORLD RESOURCES AND INDUSTRIES 3.0
Distribution, flow and consumption of mineral resources. Political, economic and social implications of the geography of resources. Basic studies in industrial location, agricultural land use, problems of economic development and population-resource ratios. Examines world trend in production controls and market allocations. Cross listed with Earth and Environmental Studies, EUGS 300.

ECON 301
MONEY AND BANKING 3.0
An analysis of the economic role of money and credit in our economy with primary emphasis on federal reserve and treasury operations.
Prerequisites: ECON 101 and ECON 102.

ECON 303
ECONOMIC GROWTH AND DEVELOPMENT 3.0
Problems of hastening the growth of countries with low incomes per person; the requisites for the economic development, the obstacles to such development, the strategy and tactics of development and aid for development. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives.
Prerequisite: ECON 207.

ECON 308
PUBLIC FINANCE 3.0
The impact of governmental expenditures, taxes and debt operation on resource allocation, income distribution, economic stabilization and economic growth.
Prerequisite: ECON 207 or ECON 206.

ECON 311
LABOR ECONOMICS 3.0
The determinants of wages in the organized and unorganized markets; a historical survey and analysis of the principal institutions and central processes in the labor and manpower areas, an examination of current issues in labor relations.
Prerequisite: ECON 207 or ECON 206.

ECON 312
BUSINESS CYCLES AND FORECASTING 3.0
Fluctuations in economic activity which characterize modern industrial economies. Definitions, descriptions and statistical measurement of business cycles are presented along with theories describing the causes of the cycles. Practical application of forecasting techniques to predict the course of future economic and business activity.
Prerequisites: ECON 203, or INFO 270 or INFO 271 and ECON 208.

ECON 314
DEVELOPMENT OF ECONOMIC THOUGHT 3.0
Broadening and improving the command of modern economic theory by examining the outstanding contributors to economic thought over the past two centuries.
Prerequisites: ECON 101 and 102.

ECON 398
ECONOMIC INDEPENDENT STUDY 3.0
Independent study for juniors and seniors who have developed a special interest as a result of work in a course or who wish to develop their interest through their own guided reading. A member of the Economics Department guides the student in his research and reading.
Prerequisite: Departmental approval.

ECON 401
FINANCIAL INSTITUTIONS 3.0
The structure and operation of financial institutions, their role in the economy and in the money and capital markets. The techniques and objectives of monetary policy and its effect on financial institutions.
Prerequisite: ECON 208 or ECON 301.

ECON 402
INTERNATIONAL ECONOMICS 3.0
The how, why and consequences of the movement of goods, services and factors of production in international exchange and an examination of the financial arrangements used to facilitate trade.
Prerequisites: ECON 101 and ECON 102.

ECON 403
COMPARATIVE ECONOMIC SYSTEMS 3.0
The economic systems of planned and mixed economies with special emphasis on the Soviet Union, China, the United Kingdom, the Scandinavian countries and the United States. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.
Prerequisites: ECON 101 and ECON 102.

ECON 420
ECONOMETRICS 3.0
An introduction to the techniques of applied economic (social science) research. Examination of the tools necessary for applied economic research and methods for dealing with certain problems inherent in economic data. The primary emphasis will be on the application of the techniques to economic data.
Prerequisites: ECON 101 and ECON 102 and ECON 203 or FINQ 270 or INFO 271.

ECON 438
ADVANCED SEMINAR IN ECONOMICS 3.0
A seminar designed to integrate economic theory, quantitative tools, and institutional knowledge in a series of applied issues. Students are required to undertake a number of specific oral and written projects that describe their understanding of key elements within the discipline. This course serves as a capstone for Economic students.
Prerequisites: ECON 207 and ECON 208 and ECON 420; seniors only; Economic majors only.

ECON 497
ECONOMICS INDEPENDENT STUDY 3.0
Open to students who wish to undertake reading and/or research in specialized areas of economics.
Prerequisite: Departmental approval.

FINC 321
FUNDAMENTALS OF FINANCE 3.0
Financial statements and financial forecasting. Introduction to risk, return, and value. Introduction to working capital management, capital budgeting, optimum capital structure, and dividend policy.
Prerequisites: INFO 270 or INFO 271; and ECON 101; and ACCT 201; and major within the School of Business.

FINC 322
CAPITAL BUDGETING MANAGEMENT 3.0
Analysis of various investment criteria, especially net present value and internal rate of return. Risk in capital budgeting, capital budgets and performance evaluation, stressing the distinction between accounting and financial criteria. Application of concepts and techniques to such issues as leasing, mergers and acquisitions.
Prerequisites: FINC 321; major within the School of Business.

FINC 326
INVESTMENT PRINCIPLES AND PORTFOLIO THEORY 3.0
A review of risk and analysis and methods of valuing, fixed-income and equity instruments, the efficient frontier, portfolio theory, the capital asset pricing model and an introduction to option and futures market.
Prerequisites: FINC 321; major within the School of Business.

FINC 327
INTERNATIONAL FINANCIAL MANAGEMENT 3.0
Introduction to multinational business finance. Foreign exchange markets and exchange rate forecasting. Balance of payment accounts, measures of surplus or deficit and their relevance to financial planning. International financial markets and international banking. Import and export financing, Positioning of funds.
Prerequisites: FINC 321; major within the School of Business.

FINC 423
ADVANCED CORPORATE FINANCE 3.0
Prerequisites: FINC 322; major within the School of Business.
FINC 425  
WORKING CAPITAL MANAGEMENT  3.0  
Detailed treatment of topics such as components of working capital; cash budgeting; short-term financial planning. Credit management; cash and inventory management; short-term lending and borrowing.  
Prerequisite: FINC 321; major within the School of Business.

FINC 429  
REAL ESTATE INVESTMENT  3.0  
Covers mortgage financing, ownership forms, tax factors, inflation, leverage, risk/return, cash flow projection, holding period, and disposition strategy. Examines the rent or house-buying decision; land, apartment building, office building, and shopping center investments; and the current investment climate.  
Prerequisite: FINC 321.

FINC 430  
FUTURES/OPTIONS, AND OTHER DERIVATIVES  3.0  
This course introduces students to derivative instruments including options, futures and swaps. Definitions, concepts, and strategies are explained. Valuation methods are presented. This course also discusses different hedging strategies.  
Prerequisites: FINC 326; major within the School of Business.

FINC 431  
ADVANCED INTERNATIONAL FINANCIAL MANAGEMENT  3.0  
Prerequisites: FINC 327; major within the School of Business.

FINC 490  
SEMINAR IN FINANCE  3.0  
The seminar is the terminal course in the concentration. It has two principal objectives. It provides students with an integrated overview of the major subfields of the concentration - Investments, Corporate and International Finance and Financial Markets and Institutions. Second, students will choose a research topic in consultation with the instructor, make a classroom presentation, and write a formal paper on the topic. Meets the University Writing Requirement for BAFN majors.  
Prerequisites: FINC 322, and 326, and 327; major within the School of Business.

FINC 491  
COOPERATIVE EDUCATION IN FINANCE  3.0-8.0  
This course is aimed at synthesizing theory and practice. Students will be provided an opportunity to have an exposure to one or two off-campus on-job-trainings in various aspects of quantitative methods of one, or more businesses. Full-time students may alternate between school and business where as part-time students may take course in parallel with school.  
Prerequisites: Departmental approval.
EDUCATIONAL FOUNDATIONS

COLLEGE OF EDUCATION AND HUMAN SERVICES
Chairperson: Mark Weinstein

As a society evolves, so does its educational responsibilities. The department meets these changing needs by developing innovative programs through comparative study, and philosophical and sociological theory. In this way, it also services and improves existing programs. The department offers undergraduate and graduate courses for the preparation of public school educators while meeting the specialized demands that are beyond the limits of the public schools. All of the department’s courses serve as a sound background for our graduate M.Ed. concentrations in Critical Thinking and Philosophy for Children.

Courses of Instruction

EDFD 220
PHILOSOPHICAL ORIENTATION TO EDUCATION 3.0

EDFD 264
GENDER ISSUES IN EDUCATION 3.0

EDFD 409
TEACHING FOR CRITICAL THINKING 3.0
Designed for pre-service teachers to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students’ thinking. Cross listed with Curriculum and Teaching, CURR 409 and Literacy and Educational Media, READ 409.
Prerequisites: CURR 200 and admission to the Teacher Education Program.

EDFD 449
CURRENT ISSUES IN AMERICAN EDUCATION 3.0
A study of recent initiatives, controversial questions, and current problems which impacted upon the field of education throughout the past decade, as well as an examination of new theories which may change the course of American education in the near future.
**ENGLISH**

**COLLEGE OF HUMANITIES AND SOCIAL SCIENCES**

*Chairperson: Larry Schwartz*

The English Department offers instruction in interpreting and creating informative and imaginative texts, in the description and historical understanding of the English and American languages, and in the cultural understanding of world literatures written in English.

Students may major or minor in English, minor in journalism or film, concentrate in creative writing, or obtain a teaching certificate. The English Department participates in the Cooperative Education Program to offer students career-oriented work opportunities.

For English majors minoring in film or journalism: Only two minor courses may be counted towards the English major.

Students should note that ENWR 105 College Writing I: Intellectual Prose and ENWR 106 College Writing II: Writing and Literary Study are prerequisites for all other English courses with the exception of ENFL courses.

**English Major**

The English major consists of 34 semester hours of English courses including a required course, The Pursuits of English (4 semester hours) and 30 semester hours of English Department courses numbered 200 and above. Students must select courses that address two sets of guidelines. (Note that a single course may address more than one guideline.)

Guidelines, Part I. Address all three of the following areas as indicated:

- **Literature:** Four literature courses. One course must pay significant attention to literature written prior to the year 1800. One must pay significant attention to literature written prior to 1900.
- **Writing:** One writing-intensive course. This may be a course devoted to writing or one in which writing receives significant and focused attention as a mode of inquiry and expression. Courses which ask students to write only to demonstrate knowledge or mastery of course material do not satisfy this guideline.
- **Genre Study:** Significant attention to at least three of these four genres: fiction, poetry, drama or film.

Guidelines, Part II. Address all of the following five guidelines:

- **Multinational Study:** Significant attention to texts or films from at least one literature or culture other than American or British.
- **Minority Writers:** Significant study of several writers from one or more minority cultures of this country, either in courses concentrating on them or in more general courses in which a significant number of the texts come out of minority cultures.
- **Women Writers:** Significant study of women writers, either in courses concentrating on them or in more general courses in which a significant number of the texts are by women.
- **Gender Studies:** Significant study of the development and/or expression of gender roles or identities in literary texts or films.
- **Class Issues:** Significant study of issues of social class in literary texts or films.

**Total number of semester hours .............................................................34**

Considerations: Most of these guidelines can be satisfied either by an entire course or a portion of a course. Since instructors may teach the same course differently, and course content may vary from semester to semester, students should consult departmental website for information about guidelines. A student may not receive credit for the same course more than once, except for courses titled "Special Topics" or "Seminar." Students are encouraged to plan, with advice, flexible programs to meet their own interests and needs. Consult your advisor to develop an appropriate plan of study. Note: The following courses, offered by the Linguistics Department, may also be used toward the total 34 credits of the English major, although they might not satisfy any guidelines: LNGN 220 Structure of American English; LNGN 284 History of the English Language; LNGN 384 The Grammars of English.

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<thead>
<tr>
<th>Creative Writing Concentration</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td><strong>Required Courses</strong></td>
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<tr>
<td>ENWR 200 Creative Writing: Fiction, Poetry, Drama</td>
<td>3</td>
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<tr>
<td>Any three of the following:</td>
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<tr>
<td>ENWR 205 Creative Nonfiction</td>
<td>3</td>
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<td>ENWR 310 Writing: Drama</td>
<td>3</td>
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<tr>
<td>ENWR 311 Writing: Fiction</td>
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<tr>
<td>ENWR 312 Writing: Poetry</td>
<td>3</td>
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<tr>
<td>ENWR 411 Advanced Writing: Fiction</td>
<td>3</td>
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<tr>
<td>ENWR 412 Advanced Writing: Poetry</td>
<td>3</td>
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<tr>
<td>ENWR 491 Seminar in Writing</td>
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<tr>
<th><strong>English Minor</strong></th>
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<tr>
<td><strong>Required Course</strong></td>
<td>Semester Hours</td>
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<tr>
<td>ENGL 200 Pursuits of English</td>
<td>4</td>
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| **Electives (15 semester hours)**                                  |                 |
| Fifteen credits of 200-level or above English electives chosen in consultation with a faculty advisor in the English department. |

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<tr>
<th><strong>Journalism Minor</strong></th>
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<tr>
<td><strong>Required Courses</strong></td>
<td>Semester Hours</td>
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<tr>
<td>ENWR 210 News Reporting</td>
<td>3</td>
</tr>
<tr>
<td>ENWR 216 History of Journalism in America</td>
<td>3</td>
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<tr>
<td>ENWR 313 Editing</td>
<td>3</td>
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| **Electives (Three of the following)**                             |                 |
| ENWR 214 Feature Writing                                           | 3               |
| ENWR 300 Meet the Press                                            | 3               |
| ENWR 314 Advanced Editing                                          | 3               |
| ENWR 315 Magazine Journalism                                       | 3               |
| ENWR 316 Reporting of Public Affairs                              | 3               |
| ENWR 416 Interpretive Journalism                                  | 3               |

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<tr>
<th><strong>Special Programs</strong></th>
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<td><strong>English Cooperative Education</strong></td>
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The English Cooperative Education program places students with strong writing and analytical skills in supervised employment outside the classroom. During the co-op semester the student is advised by a faculty coordinator and the Cooperative Education office and completes the terms of a learning contract.

**Teacher Certification**

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Prerequisites for admission to the teacher preparation program in English and current requirements in the discipline for both a first and a second teaching field certificate can be obtained in the English Department.
Courses of Instruction

ENFL 208
INTRODUCTION TO THE FILM 3.0
The history and aesthetics of film from its beginning to the present, with special attention to the evolution of technique, influential art movements and national cinemas, pivotal directors and films. Meets the 2002 Gen Ed–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.

ENFL 250
MAJOR FILM DIRECTORS 3.0
Focusing on the life and work of influential filmmakers, the course addresses such issues as auteur criticism, the nature of successful collaborations (scriptwriting teams, director/cinematographer) and performance theory.

ENFL 255
WORLD FILM 3.0
Films from the major film producing countries including the United States, France, Germany, Italy, Sweden, Russia, England, India and Japan. Within that framework, special topics will be defined: A specific period, a particular theme or problem, comparison/contrast of several national cinemas.

ENFL 260
MAJOR FILM GENRES 3.0
Examples from the major film genres, such as the Western, the crime film, the musical, the horror film, and film noir, with special emphasis on American film and principles of genre criticism.

ENFL 310
SCREENWRITING I 3.0
The art and craft of writing for the screen will be both studied and practiced. After studying the fundamentals of effective cinematic story construction and dialogue writing, students will be required to write a half hour film script. Prerequisites: ENFL 208 and ARFM 200.

ENFL 350
THREE DIRECTORS 3.0
A comparative study of three major film directors. The focus - using an auteurist derived methodology - will be to investigate a common problem or challenge confronted by each of the three directors.

ENFL 356
THE CONTEMPORARY FILM 3.0
Beginning with American film noir and European films which emerged after World War II, the course traces the major films, directors, critical theories and other influences which make up the contemporary film and define a specifically modernist sensibility.

ENFL 357
AMERICAN FILM TO 1945 3.0
An investigation of the foundations and development of the classical Hollywood style focusing on genres and directors of significance.

ENFL 358
AMERICAN FILM 1945 TO THE PRESENT 3.0
An investigation of filmmaking in the United States following World War II, focusing on the genres, directors and aesthetic movements of significance.

ENFL 360
FILM COMEDY 3.0
Film comedies from all periods in relation to comic theory and its application with particular emphasis on American films of the 20’s and 30’s.

ENFL 490
SPECIAL TOPICS IN FILM STUDIES 3.0
A non-survey course to address specific issues in film studies. The course may be taken more than once if different topics are taken. Prerequisite: Departmental approval.

ENFL 496
SEMINAR IN FILM 3.0
An advanced course devoted to the intensive study of a specialized topic in cinema studies. Topics will vary. Prerequisite: Departmental approval.

ENGL 200
THE PURSUITS OF ENGLISH 4.0
An inquiry into what constitutes contemporary literary study: its subject matter and its underlying goals and methods. Students study literary and cinematic texts of various genres, as well as literary criticism and theory; inquire into the nature of authorship and of texts; examine and expand their ways of reading, interpreting, and writing about texts; trace the relation of literary criticism to theory; consider the relation of literary study to issues of power; and develop independent habits of thought, research, discussion, and analytic writing that are informed by literary theory and criticism. It is recommended that The Pursuits of English be taken before the student accumulates 12 English major credits. Meets the University Writing Requirement FOR ENCW, ENED, ENGL majors. Prerequisite: ENWR 106 or HONP 101; English majors only.

ENGL 226
LITERATURE OF THE AMERICAN RENAISSANCE 3.0
Moby Dick and The Scarlet Letter among other major works by masters of the American Romantic period - Emerson, Thoreau, Hawthorne, Melville, Whitman and Poe are examined. Prerequisite: ENWR 106 or HONP 101.

ENGL 234
AMERICAN DRAMA 3.0
American drama chosen for excellence or representative of a significant era or movement in the theatre from the early 18th century imitative works through melodrama to the serious works of the 20th century. Centered on major American playwrights and their work. The course also examines the backgrounds of our modern stage, including readings in minor/historical works. Prerequisite: ENWR 106 or HONP 101.

ENGL 238
BLACK WRITERS IN THE UNITED STATES: A SURVEY 3.0
Black writers in the United States from colonial times to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement. Prerequisite: ENWR 106 or HONP 101.

ENGL 239
SOCIAL PROTEST LITERATURE IN AMERICA 3.0
Novels, dramas and poetry of protest against social injustices in the United States since World War I. Prerequisite: ENWR 106 or HONP 101.

ENGL 240
ENGLISH LITERATURE I: BEGINNINGS TO 1660 3.0
English literature from its beginnings to 1660 examined through representative works of major and minor authors. Prerequisite: ENWR 106 or HONP 101.

ENGL 241
ENGLISH LITERATURE II: 1660 TO PRESENT 3.0
English literature from the Restoration to the present. May be taken independently of English Literature I. Prerequisite: ENWR 106 or HONP 101.

ENGL 247
THE AUGUSTAN AGE 3.0
Important works of English literature 1660-1745, including poetry, criticism, essays, fiction and drama, examined within the literary, cultural, social and intellectual contexts of the age. Prerequisite: ENWR 106 or HONP 101.

ENGL 250
SPECIAL TOPICS IN ENGLISH OR AMERICAN LITERATURE 3.0
A survey or genre course on a topic not included in the regular departmental offerings. May be used by English majors as a departmental elective. Prerequisite: ENWR 106 or HONP 101.

ENGL 254
ENGLISH DRAMA: BEGINNINGS TO 1642 3.0
English drama from its Medieval origins to the closing of the theaters in 1642; from miracles, mysteries and moralities through the development of Tudor and Stuart drama. Shakespeare excluded. Prerequisite: ENWR 106 or HONP 101.
ENGL 256
ENGLISH NOVEL TO 1900 3.0
Form and theme of the English novel through the 18th and 19th centuries, evaluated by literary, social, moral and cultural criteria. Prerequisite: ENWR 106 or HONP 101.

ENGL 260
ART OF POETRY 3.0
An introductory course in reading, interpreting, and evaluating poetry. Attention is paid to style, form, and poetic convention. Prerequisite: ENWR 106 or HONP 101.

ENGL 262
ART OF FICTION 3.0
An introduction to form and techniques in fiction through close reading and discussion of representative texts. Prerequisite: ENWR 106 or HONP 101.

ENGL 263
ART OF DRAMA 3.0
An introduction to dramatic literature and the ways in which man expresses himself and his community through drama as a blend of word and gesture. Prerequisite: ENWR 106 or HONP 101.

ENGL 271
TEACHING WRITING IN GRADES 6-12 3.0
This course offers students an introduction to the theory and practice of teaching writing to middle and high school students. Students will be introduced to process writing through an intensive-writing workshop in class, participation in a tutoring program in the Montclair public schools, and reading in composition scholarship. Participation in tutoring (2 hours a week) is required. Prerequisite: ENWR 106.

ENGL 275
VIETNAM WAR AND AMERICAN CULTURE 3.0
This course examines the problem of the legacy of the experience of the Vietnam War (sometimes called the “Vietnam Syndrome”) as it is reflected in the culture of the United States and primarily in American literature since the end of the war in 1975. Differing discussions and evaluations of the problems bequeathed by the Vietnam war will be examined in works of political commentary, cultural criticism, history, and foreign affairs, as well as in literature. Meets the 1983 General Education Requirement (GER)–Contemporary Issues. Prerequisite: ENWR 106 or HONP 101.

ENGL 294
WOMEN POETS 3.0
Selected poets from Sappho through Emily Dickinson to Sylvia Plath examined in relation to contemporary women poets. Meets the Multicultural Awareness Requirement. Prerequisite: ENWR 106 or HONP 101.

ENGL 301
THE NOVELS OF TONI MORRISON 3.0
This course focuses on the fiction of Toni Morrison. Readings will include her published novels (from 1970 to the present), as well as selections from her critical writings. Such matters as the nature of her prose style, developments of her literary reputation, and place within the literary canon will be studied. Prerequisite: ENWR 106 or HONP 101.

ENGL 324
AMERICAN POETRY TO 1940 3.0
American poetry from Poe to Langston Hughes with an emphasis on what makes the American voice unique. Prerequisite: ENWR 106 or HONP 101.

ENGL 325
AMERICAN POETRY: WORLD WAR II TO PRESENT 3.0
American poetry beginning with William Carlos Williams and continuing to the present with an emphasis on new attitudes, techniques and contributions to American culture. Prerequisite: ENWR 106 or HONP 101.

ENGL 326
EARLY AMERICAN LITERATURE 3.0
American literature from the Puritans to 1800, tracing the development of colonial and revolutionary thought and the beginning of America’s cultural independence. Prerequisite: ENWR 106 or HONP 101.

ENGL 336
AMERICAN LITERARY REALISM 3.0
The works of James, Howells, Twain, Crane, Norris, Dreiser and others are examined in light of the developing literary concepts of realism, naturalism and social Darwinism in the changing cultural period between 1860 and 1900. Prerequisite: ENWR 106 or HONP 101.

ENGL 337
MODERN AMERICAN FICTION 3.0
American fiction from 1918 to 1945 with attention to the works, criticism and lives of such authors as Hemingway, Faulkner and Fitzgerald. Prerequisite: ENWR 106 or HONP 101.

ENGL 338
CONTEMPORARY AMERICAN FICTION 3.0
Developments in American fiction since the 1940’s with attention to such authors as Mailer, Roth, Nabokov and Vonnegut. Prerequisite: ENWR 106 or HONP 101.

ENGL 343
MILTON 3.0
An introduction to the mind and art of Milton. Intensive study of one major work and selections representative of the full range of his achievement. Prerequisite: ENWR 106 or HONP 101.

ENGL 344
CHAUCER 3.0
Troilus and Criseyde, The Canterbury Tales and some of the minor poems in Middle English. No previous language training required. Prerequisite: ENWR 106 or HONP 101.

ENGL 345
MIDDLE ENGLISH LITERATURE 3.0
The literature of England from 1100 to 1400 in its historical and social contexts and in relation to continental literature. Where appropriate, works are read in Middle English. Prerequisite: ENWR 106 or HONP 101.

ENGL 346
19TH CENTURY ENGLISH ROMANTIC LITERATURE 3.0
The revolutionary expression of such poets and essayists as Wordsworth, Coleridge, Shelley, Byron, Keats, Hazlitt, De Quincey and Lamb. Prerequisite: ENWR 106 or HONP 101.

ENGL 347
VICTORIAN PROSE AND POETRY 3.0
Mid and late 19th century responses to the emergence of modern British society demonstrated in the works of Carlyle, Mill, Ruskin, Huxley, Newman, Arnold, Morris, Tennyson and Browning. Prerequisite: ENWR 106 or HONP 101.

ENGL 348
RENAISSANCE LITERATURE 3.0
Major poets and prose writers of 16th and early 17th century England such as Sydney, Lyly, Nashe, Greene, Donne and Browne, whose individual contributions in poetry and prose reflect the literary and philosophical preoccupations of the period. Prerequisite: ENWR 106 or HONP 101.

ENGL 353
SHAKESPEARE: COMEDIES-HISTORIES 3.0
Representative comedies and histories: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare’s vision of man as actor. Prerequisite: ENWR 106 or HONP 101.

ENGL 354
SHAKESPEARE: TRAGEDIES-ROMANCES 3.0
Representative tragedies and romances: their sources, devices and characteristics; their staging in the context of Elizabethan society; and Shakespeare’s view of man in the tragic mode and in the later romances. Prerequisite: ENWR 106 or HONP 101.
ENGL 370
ENGLISH INDEPENDENT STUDY I 2.0-3.0
A scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest.
Prerequisite: ENWR 106 or HONP 101; Departmental approval.

ENGL 371
ENGLISH INDEPENDENT STUDY II 2.0-3.0
A second scholarly interest beyond the scope of a presently offered course pursued under the direction of a specialist in that field of interest or a study begun in ENGL 370 that continues for a second term.
Prerequisite: ENWR 106 or HONP 101; Departmental approval.

ENGL 446
IRISH RENAISSANCE PERIOD LITERATURE 3.0
Irish romanticism, naturalism, symbolism and realism in the works of Joyce, Shaw, Yeats and others from the late 1890’s to the 1930’s.
Prerequisite: ENWR 106 or HONP 101.

ENGL 456
20TH CENTURY ENGLISH NOVEL 3.0
The literary and cultural context and the stylistic and structural changes in representative British novels of the 20th century.
Prerequisite: ENWR 106 or HONP 101.

ENGL 471
TEACHING ENGLISH (SECONDARY) 4.0
Communicating both the discipline and the human dimensions of English as a subject in the classroom, including familiarization with adolescent literature and the uses of computers in the English classroom. A course in the professional sequence not credited to the English major requirements.
Prerequisites: Departmental approval; concurrent or completed intermediate field experience (CURR 410) and permission of the English teacher education coordinator.

ENGL 493
SEMINAR IN AMERICAN LITERATURE 3.0
The works of one major American author in depth or of a group of authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.

ENGL 494
SEMINAR IN ENGLISH LITERATURE 3.0
The works of one major English author in depth or of a group of English authors whose works are related by theme, artistic form or cultural period. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.

ENGM 384
THE GRAMMARS OF ENGLISH 3.0
A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as a means of more effective writing and literary analysis. Cross listed with Linguistics, LNGN 384.
Prerequisite: ENWR 106 or HONP 101.

ENID 398
AUTOBIOGRAPHY 3.0
Autobiographical readings, especially in letters, diaries, and journals, from ancient times to the present. Emphasis on the aesthetics of autobiography, autobiography as the mirror of an age, and autobiography as a model of the examined life.
Prerequisite: ENWR 106 or HONP 101.

ENLT 206
WORLD LITERATURE: THE COMING OF AGE THEME 3.0
This course combines Western with non-Western works to approximate an approach to a “global perspective” on literature. It is designed to introduce the student to major works of world literature; to foster an international literary sensibility; to present a variety of cultural perspectives in a context which demonstrates how they are interrelated; to present students with assignments that will direct them toward developing skills of literary analysis and interpretation; and to guide students in deepening their awareness of the connections between national literatures and their cultural contexts. Meets the 1983 General Education Requirement (GER)—Humanities, World Literature or General Humanities.
Prerequisite: ENWR 106 or HONP 101.
ENLT 372
WOMEN PROSE WRITERS
3.0
Readings in the international fiction and non-fiction of women writers. The focus will be on such themes as the nature of the family, changing relationships between women and men, evolving concepts of the "feminine," the impact of colonialism on gender related issues (i.e., work and women's identity) and interrelationships between religion and women's lives. 
Prerequisite: ENWR 106 or HONP 101.

ENLT 373
LITERARY MODERNISM
3.0
The intellectual concepts of Futurism, Dada, Surrealism and Expressionism in the early 20th century, which continue to influence literature and art. 
Prerequisite: ENWR 106 or HONP 101.

ENLT 375
MODERN DRAMA: IBSEN TO O'NEILL
3.0
Major modern plays and the playwrights whose critical insights and historical perspectives led to their unique contributions.
Prerequisite: ENWR 106 or HONP 101.

ENLT 376
MODERN EUROPEAN NOVEL
3.0
The creative expression of such novelists as Gide, Hesse, Kafka, Proust and Woolf as shaped by events of the period 1910 to 1930, and how these works influenced the future of the novel.
Prerequisite: ENWR 106 or HONP 101.

ENLT 378
SCIENCE FICTION
3.0
Fiction of the future that speculates and extrapolates from the physical and social sciences, selected from both the classics and contemporary writings.
Prerequisite: ENWR 106 or HONP 101.

ENLT 492
SEMINAR IN COMPARATIVE LITERATURE
3.0
A culture, era, theme or literary approach studied through international literary masterpieces. Enrollment limited.
Prerequisite: ENWR 106 or HONP 101: junior or senior English major.

ENWR 100
INTRODUCTION TO WRITING
3.0
A writing-intensive workshop that stresses the development of thinking and writing abilities through frequent writing assignments. Emphasis is on the writing process--prewriting, drafting, revising, using peer and teacher critique, editing and proofreading. Evaluation is partly based on a portfolio of revised writing. While this course may be taken as an elective, it is required for those students whose score on the MSU placement test indicates the need for intensive writing instruction before taking ENWR 105. This course does not satisfy a General Education Requirement. Meets Basic Skills Requirement.

ENWR 105
COLLEGE WRITING I: INTELLECTUAL PROSE
3.0
Expository writing. A workshop course to develop-thinking and writing abilities through frequent writing assignments based on critical response to intellectually challenging questions. Emphasis is on the writing process--prewriting, drafting, revising, using peer and teacher critique, editing, and proofreading. A minimum of five essays is required, including an extensive documented essay that requires research. Evaluation is partly based on a portfolio of revised writing. With ENWR 106, meets Gen Ed 2002--Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)--Communication, Writing. 
Prerequisite: Passing score on the MSU Basic Skills Test, or successful completion of ENWR 100.

ENWR 106
COLLEGE WRITING II: WRITING AND LITERARY STUDY
3.0
The second semester of the intensive first-year writing sequence. Emphasis on the writing process continues as students study works of fiction, poetry, and drama in order to improve their writing and their understanding and appreciation of complex literary texts. Required: approximately 6000 words of formal writing, including at least one documented essay. With ENWR 105, meets Gen Ed 2002--Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)--Communications, Reading.
Prerequisite: ENWR 105 or HONP 100.

ENWR 200
CREATIVE WRITING: FICTION, POETRY, DRAMA
3.0
Writing as a creative process with explorations in poetry, drama, fiction and autobiography. 
Prerequisite: ENWR 106 or HONP 101.

ENWR 204
ADVANCED EXPOSITORY WRITING
3.0
A course designed to help general students improve their expository writing beyond the level of skill developed in the freshman composition course. Particular emphasis will be placed on argument and persuasion. 
Prerequisite: ENWR 106 or HONP 101.

ENWR 205
CREATIVE NONFICTION
3.0
Advanced writing skills with stress on developing a personal writing style, adapting writing style to various subjects and audiences and experimenting with different modes of exposition. 
Prerequisite: ENWR 106 or HONP 101.

ENWR 206
BUSINESS WRITING
3.0
Writing skills essential to the world of work with emphasis on correspondence, analytical reports and proposals. 
Prerequisite: ENWR 106 or HONP 101.

ENWR 210
NEWS REPORTING
3.0
Writing news articles according to contemporary practices. Interviewing techniques are explored as well as a respect for facts, impartiality, and fairness. 
Prerequisite: ENWR 105 or HONP 100.

ENWR 214
FEATURE WRITING
3.0
All aspects of writing personality profiles and of writing critical reviews, columns and/or sports features. 
Prerequisite: ENWR 210.

ENWR 216
HISTORY OF JOURNALISM IN AMERICA
3.0
Evolution of the American press is examined through research and discussion of significant periods, individuals and issues from 1600 to the present.

ENWR 250
SPECIAL TOPICS IN WRITING
3.0
A course in writing not included in the regular departmental offerings. May be used by English majors as a departmental elective. 
Prerequisite: ENWR 106 or HONP 101.

ENWR 301
COOPERATIVE EDUCATION (ENGLISH)
4.0-8.0
A supervised employment experience, outside the classroom, but related to academic study in English. Not included in major requirements. 
Prerequisite: Departmental approval.

ENWR 311
WRITING: FICTION
3.0
Fundamentals and techniques of writing prose fiction (stories and/or novels), with evaluations in class and extensive individual conferences. 
Prerequisite: ENWR 200; Departmental approval.

ENWR 312
WRITING: POETRY
3.0
Techniques and fundamentals of writing poetry through writing, reading, and class and professorial evaluations. 
Prerequisites: ENWR 200; Departmental approval.

ENWR 313
EDITING
3.0
Copy editing, proofreading and basic editorial skills. Articles are analyzed for accuracy, libel, precise diction and tightening. 
Prerequisites: ENWR 210.

ENWR 315
MAGAZINE JOURNALISM
3.0
Researching, writing and placing feature stories in mass circulation magazines.
ENWR 411
ADVANCED WRITING: FICTION 3.0
Writing of prose with intensive class analyses and individual conferences.
Prerequisite: Departmental approval.

ENWR 412
ADVANCED WRITING: POETRY 3.0
Writing of poetry with intensive class analyses and individual conferences.
Prerequisite: Departmental approval.

ENWR 416
INTERPRETIVE JOURNALISM 3.0
Studying and writing columns, editorials and news articles. Students will compare different styles of interpretive reporting and develop their own skills in this area.
Prerequisite: ENWR 210.

ENWR 491
SEMINAR IN WRITING 3.0
Creative writing, expository writing or theories of the teaching of composition for the advanced student. Enrollment limited.
Prerequisites: ENWR 106 or HONP 101; junior or senior English major.
FRENCH, GERMAN, AND RUSSIAN

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Chairperson: Lois Oppenheim

The French program provides courses that develop linguistic skills, literary appreciation, and an understanding of the French people and their culture. French majors may choose the Translation concentration to enhance their linguistic skills or to enter careers related to international organizations. They may also take related business courses.

They may specialize in French Civilization, a liberal arts concentration, which is a sound foundation for graduate studies. Students may also specialize in Teacher Education and prepare for careers as teachers. Students interested in courses in French-speaking people and their culture. Students interested in courses in German may contact Dr. Ludmila Lavine for more information.

The German program features a liberal arts minor and provides courses that develop linguistic skills, literary appreciation, and an understanding of German-speaking people and their culture. Students interested in courses in German may contact Dr. Bettina Brandt.

Study Abroad

It is highly recommended that majors spend a year, a semester, or a summer studying in a French, German, or Russian-speaking country. This study should preferably be planned for the junior year. After successful completion of study abroad, credits will be granted by evaluation. Students may earn up to 30 semester hours for a full year of study.

French Major

Concentration Programs Within the Major

Translation

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 203</td>
<td>French Stylistics and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>FREN 204</td>
<td>French Stylistics and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>FREN 205</td>
<td>French Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>FREN 206</td>
<td>Spoken Language Practice</td>
<td>3</td>
</tr>
<tr>
<td>FREN 270</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>FREN 302</td>
<td>Origins of French Civilization</td>
<td>3</td>
</tr>
<tr>
<td>FREN 304</td>
<td>French Civilization: 19th and 20th Centuries</td>
<td>3</td>
</tr>
<tr>
<td>FREN 350</td>
<td>Translation I</td>
<td>3</td>
</tr>
<tr>
<td>FREN 351</td>
<td>Translation II</td>
<td>3</td>
</tr>
<tr>
<td>FREN 452</td>
<td>Translation III</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Major)

Select 12 semester hours from the following list of electives, of which 3 s.h. must be in literature. 12

FREN 202 | Seventeenth Century French Theater* | 3 |
FREN 211 | Eighteenth Century French Theater* | 3 |
FREN 232 | Business French and Computers II | 3 |
FREN 251 | Advanced Syntax | 3 |
FREN 271 | Explication de Texte* | 3 |
FREN 275 | Advanced Spoken Language Practice | 3 |
FREN 286 | French Film | 3 |
FREN 304 | French Civilization: 19th and 20th Centuries | 3 |
FREN 305 | Music and Art in French Civilization | 3 |
FREN 315 | Dada And Surrealism* | 3 |
FREN 330 | Survey of Medieval Literature* | 3 |
FREN 334 | Seventeenth Century French Literature* | 3 |

French Civilization

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 203</td>
<td>French Stylistics and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>FREN 204</td>
<td>French Stylistics and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>FREN 205</td>
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<td>FREN 271</td>
<td>Explication de Texte*</td>
<td>3</td>
</tr>
<tr>
<td>FREN 275</td>
<td>Advanced Spoken Language Practice</td>
<td>3</td>
</tr>
<tr>
<td>FREN 286</td>
<td>French Film</td>
<td>3</td>
</tr>
<tr>
<td>FREN 305</td>
<td>Music and Art in French Civilization</td>
<td>3</td>
</tr>
<tr>
<td>FREN 315</td>
<td>Dada And Surrealism*</td>
<td>3</td>
</tr>
<tr>
<td>FREN 330</td>
<td>Survey of Medieval Literature*</td>
<td>3</td>
</tr>
<tr>
<td>FREN 334</td>
<td>Seventeenth Century French Literature*</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Major)

Select 9 semester hours from the following list of electives, of which 3 s.h. must be in literature. 9

FREN 202 | Seventeenth Century French Theater* | 3 |
FREN 211 | Eighteenth Century French Theater* | 3 |
FREN 232 | Business French and Computers I | 3 |
FREN 233 | Business French and Computers III | 3 |
FREN 251 | Advanced Syntax | 3 |
FREN 345 | Development of the French Novel to 1900* | 3 |
FREN 351 | Translation II | 3 |
FREN 365 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |
FREN 366 | Seventeenth Century French Literature* | 3 |
FREN 380 | Survey of Medieval Literature* | 3 |
FREN 381 | Eighteenth Century French Literature* | 3 |
FREN 382 | Nineteenth Century French Literature* | 3 |
FREN 383 | Twentieth Century French Literature* | 3 |
FREN 384 | French Renaissance* | 3 |
FREN 385 | Contemporary French Drama* | 3 |
FREN 386 | Development of the French Novel to 1900* | 3 |
FREN 387 | Translation II | 3 |
FREN 388 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |
FREN 389 | Seventeenth Century French Literature* | 3 |
FREN 390 | Eighteenth Century French Literature* | 3 |
FREN 391 | Nineteenth Century French Literature* | 3 |
FREN 392 | Twentieth Century French Literature* | 3 |
FREN 393 | French Renaissance* | 3 |
FREN 394 | Contemporary French Drama* | 3 |
FREN 395 | Development of the French Novel to 1900* | 3 |
FREN 396 | Translation II | 3 |
FREN 397 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |
FREN 398 | Seventeenth Century French Literature* | 3 |
FREN 399 | Eighteenth Century French Literature* | 3 |
FREN 400 | Nineteenth Century French Literature* | 3 |
FREN 401 | Twentieth Century French Literature* | 3 |
FREN 402 | French Renaissance* | 3 |
FREN 403 | Contemporary French Drama* | 3 |
FREN 404 | Development of the French Novel to 1900* | 3 |
FREN 405 | Translation II | 3 |
FREN 406 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |
FREN 407 | Seventeenth Century French Literature* | 3 |
FREN 408 | Eighteenth Century French Literature* | 3 |
FREN 409 | Nineteenth Century French Literature* | 3 |
FREN 410 | Twentieth Century French Literature* | 3 |
FREN 411 | French Renaissance* | 3 |
FREN 412 | Contemporary French Drama* | 3 |
FREN 413 | Development of the French Novel to 1900* | 3 |
FREN 414 | Translation II | 3 |
FREN 415 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |
FREN 416 | Seventeenth Century French Literature* | 3 |
FREN 417 | Eighteenth Century French Literature* | 3 |
FREN 418 | Nineteenth Century French Literature* | 3 |
FREN 419 | Twentieth Century French Literature* | 3 |
FREN 420 | French Renaissance* | 3 |
FREN 421 | Contemporary French Drama* | 3 |
FREN 422 | Development of the French Novel to 1900* | 3 |
FREN 423 | Translation II | 3 |
FREN 424 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |
FREN 425 | Seventeenth Century French Literature* | 3 |
FREN 426 | Eighteenth Century French Literature* | 3 |
FREN 427 | Nineteenth Century French Literature* | 3 |
FREN 428 | Twentieth Century French Literature* | 3 |
FREN 429 | French Renaissance* | 3 |
FREN 430 | Contemporary French Drama* | 3 |
FREN 431 | Development of the French Novel to 1900* | 3 |
FREN 432 | Translation II | 3 |
FREN 433 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |
FREN 434 | Seventeenth Century French Literature* | 3 |
FREN 435 | Eighteenth Century French Literature* | 3 |
FREN 436 | Nineteenth Century French Literature* | 3 |
FREN 437 | Survey of French Poetry* | 3 |
FREN 438 | Contemporary French Drama* | 3 |
FREN 439 | Development of the French Novel to 1900* | 3 |
FREN 440 | Translation II | 3 |
FREN 441 | Introduction to Consecutive and Simultaneous Interpreting... | 3 |

*Courses followed by an asterisk are literature courses.

Total Semester Hours: 42
French Major

Teacher Education

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 203 French Stylistics and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>FREN 204 French Stylistics and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>FREN 205 French Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>FREN 270 Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>FREN 271 Explication de Texte</td>
<td>3</td>
</tr>
<tr>
<td>FREN 304 French Civilization: 19th and 20th Centuries</td>
<td>3</td>
</tr>
<tr>
<td>FREN 352 20th Century French Literature</td>
<td>3 (Prerequisite: FREN 271)</td>
</tr>
<tr>
<td>FREN 360 French Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>FREN 410 Advanced French Grammar</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Literature, 6 s.h.)

Select two courses from literature offerings of the Department in consultation with Chairperson.

Electives (Major)

Select at least 6 semester hours from the following list:

FREN 202 Seventeenth Century French Theater* ........................................3
FREN 206 Spoken Language Practice ....................................................3
FREN 211 Eighteenth Century French Theater* .......................................3
FREN 231 Business French and Computers I ...........................................3
FREN 232 Business French and Computers II ..........................................3
FREN 251 Advanced Syntax.......................................................................3
FREN 275 Advanced Spoken Language Practice .......................................3
FREN 286 French Film .............................................................................3
FREN 289 Francophone Film .................................................................3
FREN 302 Origins of French Civilization* .............................................3
FREN 305 Music and Art in French Civilization* ......................................3
FREN 315 Dada And Surrealism* ............................................................3
FREN 330 Survey of Medieval Literature* ..............................................3
FREN 334 Seventeenth Century French Literature* ..................................3
FREN 335 French Renaissance ...............................................................3
FREN 336 Eighteenth Century French Literature* ....................................3
FREN 339 Nineteenth Century French Literature* ....................................3
FREN 340 Survey of French Poetry* .......................................................3
FREN 341 Contemporary French Drama* ..................................................3
FREN 345 Development of the French Novel to 1900* ..............................3
FREN 349 Francophone Literature* ........................................................3
FREN 351 Translation II ........................................................................3
FREN 352 20th Century French Literature .............................................3
FREN 375 French Study Abroad ..............................................................3
FREN 401 Advanced French Grammar ....................................................3
FREN 419 The Teaching of French in Secondary Schools..........................3
FREN 452 Translation III ....................................................................3
FREN 470 Seminars .................................................................................3

Minimum Semester Hours: ...................................................................... 18

Required Courses (Business Emphasis)

FREN 121 Intermediate French I ............................................................3
FREN 122 Intermediate French II ...........................................................3
FREN 203 French Stylistics and Composition I ........................................3
FREN 204 French Stylistics and Composition II .......................................3
FREN 231 Business French and Computers I ...........................................3
FREN 232 Business French and Computers II ..........................................3
FREN 251 Advanced Syntax.......................................................................3
FREN 270 Advanced Composition ...........................................................3
FREN 271 Explication de Texte...............................................................3
FREN 275 Advanced Spoken Language Practice .......................................3
FREN 289 Francophone Film .................................................................3
FREN 302 Origins of French Civilization* ............................................. 3
FREN 304 French Civilization: 19th and 20th Centuries ..........................3
FREN 305 Music and Art in French Civilization* ......................................3
FREN 315 Dada And Surrealism* ............................................................3
FREN 330 Survey of Medieval Literature* ..............................................3
FREN 334 Seventeenth Century French Literature* ..................................3
FREN 335 French Renaissance ...............................................................3
FREN 336 Eighteenth Century French Literature* ....................................3
FREN 339 Nineteenth Century French Literature* ....................................3
FREN 340 Survey of French Poetry* .......................................................3
FREN 341 Contemporary French Drama* ..................................................3
FREN 345 Development of the French Novel to 1900* ..............................3
FREN 349 Francophone Literature* ........................................................3
FREN 351 Translation II ........................................................................3
FREN 352 20th Century French Literature .............................................3
FREN 375 French Study Abroad ..............................................................3
FREN 401 Advanced French Grammar ....................................................3

Minimum Semester Hours: ...................................................................... 21

Note: Students who place out of FREN 121, 132, 203, or 204 by either the placement exam or a challenge exam may substitute other courses from the list provided by the department to take the place of these courses.

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. In addition, French majors must have a "B" average in French, take the Teacher Education courses under the French Major Requirements, and FREN 419 The Teaching of French in Secondary Schools.

Second Teaching Field in French

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Required Courses

FREN 203, 204 French Stylistics and Composition I, II ................. 3 each
FREN 205 French Phonetics .................................................................3
FREN 206 Spoken Language Practice ..................................................3
FREN 270 Advanced Composition .......................................................3
FREN 271 Explication de Texte............................................................3

Electives

From the appropriate list, select 9 semester hours of which 3 s.h. must be in literature and 3 s.h. in civilization .................................................. 9

Total: .................................................................................................... 30

NOTE: If a student has not taken a teaching methods course in a foreign language, it is necessary to take FREN 419 The Teaching of French in Secondary Schools.
German Minor

Required Courses*

GERM121 Intermediate German I ..........................3
GERM132 Intermediate German II ..........................3
GERM151 Advanced German I ..........................3

Electives (Major)
Select 9 semester hours from the following:
GERM141 Review of Fundamental Grammar ..........................3
GERM142 Practice in Written German ..........................3
GERM152 Advanced German II ..........................3
GERM209 Phonetics and Phonology ..........................3
GERM251 Introduction to German Literature I ..........................3
GERM252 Introduction to German Literature II ..........................3
GERM309 Practice in Spoken German ..........................3
GERM310 Advanced Composition ..........................3
GERM315 Translation I ..........................3
GERM316 Translation II ..........................3
GERM317 Translation III ..........................3
GERM318 Translation IV ..........................3
GERM320 Development of the German Language ..........................3
GERM341 German Literature from the Origins to the Reformation Period ..........................3
GERM342 German Literature from the 16th to the 18th Century ..........................3
GERM351 German Civilization I ..........................3
GERM352 German Civilization II ..........................3
GERM360 Modern German Fiction ..........................3
GERM362 Development of German Poetry ..........................3
GERM364 German Drama of the 19th and 20th Centuries ..........................3
GERM375 Study Abroad ..........................3
GERM380 Independent Study in German ..........................3
GERM381 Independent Study in German ..........................3
GERM400 Selected Topics in German Literature and Culture ..........................3
GERM410 German Grammar Applied Linguistics ..........................3
GERM441 The Age of Goethe ..........................3
GERM442 The Age of Schiller ..........................3
GERM460 Senior Seminar ..........................3
GERM480 Independent Study in German ..........................3
GERM481 Independent Study in German ..........................3
GRIN 250 Selected Topics in German Literature and Culture ..........................3
GRIN 292 German Literature: 1890 to present ..........................3

*Note: Students who place out of GERM 121, 132, or 151 by either the placement exam or a challenge exam must substitute other courses from the list provided by the department to take the place of these courses.

Russian Minor

Required Courses

RUSS 101, 112 Beginning Russian I, II ..........................6
RUSS 121, 132 Intermediate Russian I, II ..........................6
RUSS 141, 152 Advanced Russian I, II ..........................6

Under certain circumstances and with departmental approval, the following may be substituted for one or more of the required courses listed:
GRIN 293 Russian Culture and Civilization ..........................3
GRIN 294 Russian Prose and Drama ..........................3
GRIN 297 Women in Russian Literature ..........................3
HIST 323 History of Russia to 1917 ..........................3
HIST 324 Russia since 1917 ..........................3
LNGN 245 Language and Culture ..........................3
LNGN 370 Comparative and Historical Linguistics ..........................3
RUSS 478 Independent Study in Russian ..........................3

Russian Area Studies Minor

Required Courses

Select 6 semester hours from the following:
RUSS 101, 112 Beginning Russian I, II ..........................6
RUSS 121, 132 Intermediate Russian I, II ..........................6
RUSS 141, 152 Advanced Russian I, II ..........................6

Electives (Interdepartmental)
Select 6 semester hours from the following:
ECON 403 Comparative Economic Systems ..........................3
HIST 323 History of Russia to 1917 ..........................3
HIST 324 Russia since 1917 ..........................3
PHIL 235 Marx and Marxism ..........................3
POL 407 Government and Politics of the USSR ..........................3
POL 412 Government and Politics of the East European States ..........................3
HIST 522 Revolutionary Russia, 1905-1921 (graduate course)* ..........................3
HIST 523 History of Soviet Diplomacy (graduate course)* ..........................3

*University regulations must be met for an undergraduate to register for graduate-level courses.

Electives (Departmental)
Select 6 semester hours from any courses listed above or from the following:
GRIN 293 Russian Culture and Civilization ..........................3
GRIN 294 Russian Prose and Drama ..........................3
GRIN 297 Women in Russian Literature ..........................3
RUSS 478 Independent Study in Russian ..........................3

Second Teaching Field in Russian

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Specific requirements may be obtained from the department.

Required courses

RUSS 101, 112 Beginning Russian I, II ..........................6
RUSS 121, 132 Intermediate Russian I, II ..........................6
RUSS 141, 152 Advanced Russian I, II ..........................6

Electives

With advisement from the department, select at least 12 semester hours from the appropriate lists to be obtained from the department.

Courses of Instruction

ARAB 101
BEGINNING ARABIC I ..........................3.0

ARAB 112
BEGINNING ARABIC II ..........................3.0

ARAB 121
INTERMEDIATE ARABIC I ..........................3.0
This course is designed for students who have completed Beginning Arabic I and II at Montclair State University or students who have been placed at this level. The course builds on the listening skills developed in Beginning Arabic but focuses on reading and writing using representative literature studies of Arab culture. Laboratory work available. Cross listed with Linguistics ARBC 121.
ARAB 132  INTERMEDIATE ARABIC II  3.0  
For students who have completed Intermediate Arabic I at Montclair State University or students who have been placed at this level. Advanced development of listening comprehension, speaking, reading and writing through the study of authentic texts, representative works and characteristic aspects of Arab life and culture. Laboratory work is available. Cross listed with Linguistics, ARBC 132.

FREN 101 BEGINNING FRENCH I  3.0  
For students starting French in college, or students who have been placed at this level after taking the placement test. The fundamentals of speaking, reading and writing through classroom drill, video cassettes and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

FREN 112 BEGINNING FRENCH II  3.0  
For students having completed Beginning French I or who have been placed at this level after taking the placement test. Continuation of basic skills through classroom drill, video-cassettes and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

FREN 121 INTERMEDIATE FRENCH I  3.0  
Prerequisite: Special fee.

FREN 132 INTERMEDIATE FRENCH II  3.0  
Prerequisite: Special fee.

FREN 145 INTRODUCTION TO FRENCH CULTURE  3.0  
Various aspects of contemporary France such as politics, education, social and artistic movements. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: FREN 121.

FREN 203 FRENCH STYLISTICS AND COMPOSITION I  3.0  
Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.
Prerequisite: FREN 132.

FREN 204 FRENCH STYLISTICS AND COMPOSITION II  3.0  
Skills of the French language. Intensive vocabulary practice, laboratory drills, grammar review and weekly compositions, integrated into an intensive language program. Taught in French.
Prerequisite: FREN 203.

FREN 205 FRENCH PHONETICS  3.0  
Weekly transcriptions, problems of articulation, rhythm, accentuation and intonation; intensive language laboratory work. Taught in French.
Prerequisite: Special fee.

FREN 206 SPOKEN LANGUAGE PRACTICE  3.0  
Intensive conversation with organized discussions on subjects of special interest. Taught in French.

FREN 211 BUSINESS FRENCH AND COMPUTERS I  3.0  
The first half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary, and computer lexicon required in today’s business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.
Prerequisite: FREN 204. Special fee.

FREN 212 BUSINESS FRENCH AND COMPUTERS II  3.0  
The second half of a two-semester sequential course conducted entirely in French. It familiarizes students with basic French commercial vocabulary and computer lexicon required in today’s business world. It offers students the opportunity to acquire the bilingual French-English knowledge necessary for secretarial and managerial positions in, for example, import-export companies. Taught in French.
Prerequisite: FREN 231. Special fee.

FREN 270 ADVANCED COMPOSITION  3.0  
A review of advanced grammar through intensive written and oral practice. Taught in French.

FREN 271 EXPlication DE TEXTE  3.0  
Improvement of reading skills and literary perception through the technique of the explication de texte, using examples from a wide variety of periods and genres. Taught in French.
Prerequisite: FREN 204.

FREN 275 ADVANCED SPOKEN LANGUAGE PRACTICE  3.0  
Intensive conversation on an advanced level on selected and varied topics. Taught in French.

FREN 286 FRENCH FILM  3.0  
Development of film art with special emphasis on the contemporary period. Course taught in English. Work done in French by those taking it for French major credit and in English by those taking it as a general elective. Cross listed with French, German, and Russian, FRIN 286 and Classics and General Humanities, GNHU 286.

FREN 289 FRANCOPHONE FILM  3.0  
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Cross listed with French, German, and Russian, FRIN 289, and Classics and General Humanities, GNHU 289. Course taught in English. Work done in French by those taking it for French major credit and in English by those taking it as a general elective. Meets Gen Ed 2002–Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
Prerequisite: FREN 204.

FREN 302 ORIGINS OF FRENCH CIVILIZATION  3.0  
French history and cultural development from the Middle Ages to the Revolution. Taught in French.

FREN 304 FRENCH CIVILIZATION 19TH AND 20TH CENTURIES  3.0  
Various aspects of the material, intellectual, artistic, and spiritual life of France. Taught in French.

FREN 305 MUSIC AND ART IN FRENCH CIVILIZATION  3.0  
Composers from the Middle Ages (Perotin) to modern times (Boulez); their social and cultural backgrounds. Taught in French.

FREN 334 SEVENTEENTH CENTURY FRENCH LITERATURE  3.0  
The most representative authors of the century. Taught in French.
FREN 336
EIGHTEENTH CENTURY FRENCH LITERATURE 3.0
Main writings of the Age of Enlightenment. Taught in French.

FREN 339
NINETEENTH CENTURY FRENCH LITERATURE 3.0
Principal literary currents from Romanticism to symbolism. Taught in French.

FREN 340
SURVEY OF FRENCH POETRY 3.0
Development of principal poetic movements with emphasis on the 19th and 20th centuries. Taught in French.

FREN 341
CONTEMPORARY FRENCH DRAMA 3.0
Theatre from the beginning of the century to the present. Taught in French.

FREN 345
DEVELOPMENT OF FRENCH NOVEL TO 1900 3.0
Evolution of fiction from the feminist writings of Mme. de La Fayette and Diderot. Literature of social involvement to the present. Taught in French.

FREN 349
FRANCOPHONE LITERATURE 3.0
Literature of French Expression outside continental France. Taught in French.

FREN 350
TRANSLATION I 3.0
Prerequisite: FREN 204 or departmental approval. Special fee.

FREN 351
TRANSLATION II 3.0
Prerequisite: FREN 350. Special fee.

FREN 352
TWENTIETH CENTURY FRENCH LITERATURE 3.0
Representative works of contemporary theater and the novel. Taught in French.

FREN 360
FRENCH PERSPECTIVES 3.0
The history of ideas in France since World War II. Emphasizes the interrelationship of political, social, and philosophical thinking. Taught in French.

FREN 365
INTRODUCTION TO CONSECUTIVE AND SIMULTANEOUS INTERPRETING 3.0
The field of cross-cultural communications (with emphasis on the French-speaking world) and practice in the techniques of simultaneous and consecutive interpreting, French-English, English-French. Taught in French.
Prerequisites: FREN 351. Special fee.

FREN 367
SEMINARS 3.0-12.0
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.
Prerequisite: Departmental approval.

FREN 368
SEMINARS 3.0-12.0
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.
Prerequisite: Departmental approval.

FREN 369
SEMINARS 3.0-12.0
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.
Prerequisite: Departmental approval.

FREN 375
FRENCH STUDY ABROAD 3.0-9.0
Study at a university in a French-speaking country to gain first-hand knowledge of the historical, social, economic, and cultural life of the country. Credit by evaluation.
Prerequisite: Departmental approval.

FREN 380
COOPERATIVE EDUCATION FOR THE FRENCH MAJOR 4.0-8.0
Supervised work experience and academic project in professional field related to major.
Prerequisite: Departmental approval.

FREN 410
ADVANCED FRENCH GRAMMAR 3.0
A review of the most important structural features of French. with special emphasis on areas of interference with English structure. Taught in French.

FREN 419
THE TEACHING OF FRENCH IN SECONDARY SCHOOLS 3.0
Lesson planning; evaluation of techniques; demonstration of teaching procedures and technologies; exploration of the communicative approach. Taught in French.
Prerequisite: Departmental approval.

FREN 452
TRANSLATION III 3.0
Translation of articles in specific fields of interest to improve translation skills. Meets the University Writing Requirement for FRCV, FRTR majors.
Prerequisites: FREN 351. Special fee.

FREN 470
SEMINARS 3.0-12.0
Selected topics to be studied in depth with emphasis on methods of inquiry. Topic announced each semester. Taught in French.
Prerequisite: Departmental approval.

FREN 472
FRENCH LANGUAGE WORKSHOP 3.0
A thorough foundation in French at the level required for successful graduate studies. Taught in French.

FREN 478
INDEPENDENT STUDY 1.0-3.0
Directed independent study and research in French language and literature.
Prerequisite: Departmental approval.

FRIN 145
INTRODUCTION TO FRENCH CULTURE 3.0
Various aspects of contemporary France such as politics, education, social and artistic movements.

FRIN 286
FRENCH FILM 3.0
Development of film art with special emphasis on contemporary period. Taught in English. Cross listed with Classics and General Humanities, GNHU 286.

FRIN 289
FRANCOPHONE FILM 3.0
This course will use cinema as a tool and medium for the critical analysis of artistic and cultural discourse, and will introduce students to post-colonial Francophone cultures outside of metropolitan France and the western French-speaking world (Africa and the Caribbean). Taught in English. Cross listed with French, German, and Russian, FREN 289, and Classics and General Humanities, GNHU 289. Meets Gen Ed 2002–Social Science, Non-Western cultural perspectives. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.
GERM 101
BEGINNING GERMAN I 3.0
For students without previous instruction in German. Emphasis on speaking, with practice in reading and writing simple German. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

GERM 112
BEGINNING GERMAN II 3.0
Prerequisite: Special fee.

GERM 121
INTERMEDIATE GERMAN I 3.0
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

GERM 122
INTERMEDIATE GERMAN II 3.0
Open to students who have acquired an elementary knowledge of German elsewhere. Further development of the ability to understand, speak, read and write German, with emphasis on speaking. Laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

GERM 141
REVIEW OF FUNDAMENTAL GRAMMAR 3.0
Oral and written practice for better control of language structure.
Prerequisite: GERM 132 or 134.

GERM 151
ADVANCED GERMAN I 3.0
Continuation of Intermediate German on a more advanced level. Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: GERM 132 or 134. Special fee.

GERM 152
ADVANCED GERMAN II 3.0
Students must follow class instruction in German, speak and write simple idiomatic German and read and discuss increasingly difficult assignments in literary German, particularly in the second semester. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: GERM 151. Special fee.

GERM 209
PHONETICS AND PHONOLOGY 3.0
Application of phonetic science to the acquiring and teaching of good pronunciation; the international phonetic alphabet; problems of articulation, rhythm, accentuation and intonation. Strongly recommended for majors desiring teacher certification.

GERM 251
INTRODUCTION TO GERMAN LITERATURE I 3.0
Standard works of German literature from the classical period to the present; methods of literary interpretation. Developmental approach to the principal epochs of German literature. Meets the 1983 General Education Requirement (GER)–Foreign Language.

GERM 252
INTRODUCTION TO GERMAN LITERATURE II 3.0
Standard works of German literature from the classical period to the present; methods of literary interpretation. Developmental approach to the principal epochs of German literature. Meets the 1983 General Education Requirement (GER)–Foreign Language.

GERM 292
GERMAN LITERATURE 1890–PRESENT 3.0
The principal movements discernible in German literature since the end of the 19th century. Works representative of important authors and basic genres and trends. No knowledge of German is required. Taught in English. Cross listed with Classics, GNHU 292.
GRIN 293
RUSSIAN CULTURE AND CIVILIZATION 3.0
The history of Russian culture from the early stages of Slavic civilization to the contemporary post-Soviet Russian Federation. Special emphasis is placed on the role of the arts, especially literature, as a reflection of philosophical, political, and cultural change. No knowledge of Russian is required. Cross listed with Classics and General Humanities, GNHU 293. Meets Gen Ed 2002—Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)—Social Science, Non-Western Cultural Perspectives.

GRIN 295
GERMAN EXPRESSIONISM 3.0
Various aspects of German expressionism, encompassing roughly the period between the two world wars; the political and social climate of the Weimar Republic; literature, painting, sculpture, music and the film of that era; defining expressionism as a specific historical period as well as a perennial stylistic device. Taught in English. Cross listed with Classics and General Humanities, GNHU 295.

GRIN 297
WOMEN IN RUSSIAN LITERATURE 3.0
This course will examine the roles, status, identity and problems of female characters in representative works of Russian literature from the medieval period to the present. It will trace the development of mythic images about "Mother Russia," study the cultural messages of classic nineteenth century Russian heroines and explore adaptations in the traditional appreciation of Russian women in the early Soviet period as well as contemporary works. Meets the Multicultural Awareness Requirement.

RUSS 101
BEGINNING RUSSIAN I 3.0
Prerequisite: Special fee.

RUSS 112
BEGINNING RUSSIAN II 3.0
Prerequisite: Special fee.

RUSS 121
INTERMEDIATE RUSSIAN I 3.0
Continuation of Russian 101 and 112. Open to students who have acquired an elementary knowledge of Russian elsewhere. Detailed review of Russian grammar and pronunciation, more advanced conversation. Laboratory work. Meets Gen Ed 2002—World Languages. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: Special fee.

RUSS 132
INTERMEDIATE RUSSIAN II 3.0
Continuation of Russian 101 and 112. Open to students who have acquired an elementary knowledge of Russian elsewhere. Detailed review of Russian grammar and pronunciation, more advanced conversation. Laboratory work. Meets Gen Ed 2002—World Languages. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: Special fee.

RUSS 141
ADVANCED RUSSIAN I 3.0
Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: Special fee.

RUSS 152
ADVANCED RUSSIAN II 3.0
Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets the 1983 General Education Requirement (GER)—Foreign Language.
Prerequisite: Special fee.

RUSS 478
INDEPENDENT STUDY IN RUSSIAN 1.0-3.0
Directed individual study and research in Russian for special students.
Prerequisite: Departmental approval.
General Humanities Major

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Coordinator: Victoria Tietze Larson

The major in General Humanities critically examines the culture, ideas, and values of earlier cultures, Western and non-Western, both in their original time periods and as they have been appropriated and transformed by later ages. In particular, the program seeks to develop a critical awareness of how the classical past has been utilized as a symbol or an ideal by modern cultures, including American, and how Western culture has developed its own particular views about itself as being distinctly different from non-Western cultures.

The major is especially recommended for students who have a broad interest in the liberal arts either for their own sake or as preparation for business and the professions. The General Humanities program, coordinated by the Department of Classics and General Humanities, is unique both in respect to the breadth of disciplines (history, literature, philosophy, religious studies, art history, music history) in which students are required to take courses and in respect to the senior seminar, in which students write a senior thesis addressing the contemporary role of the humanities from an interdisciplinary perspective.

Detailed list of Major Elective Courses

HISTORY

Earlier Western:
HIST 281 Greek Civilization .........................................................3
HIST 282 Roman Civilization .........................................................3
HIST 322 Medieval European Civilization 450-1350 .....................3
HIST 419 Age of Renaissance 1350-1517 .....................................3
GNHU281 Greek Civilization .........................................................3
GNHU282 Roman Civilization .........................................................3

Later Western:
HIST 204 The Second World War ...................................................3
HIST 212 Social History of the United States .................................3
HIST 213 Economic History of the United States .........................3
HIST 214 Diplomatic History of the United States .........................3
HIST 215 Women in American History .......................................3
HIST 217 History of Black Americans ...........................................3
HIST 218 Political History of the United States ............................3
HIST 219 Sport in History ..............................................................3
HIST 221 Europe's Conquest of the Americas, 1415-1763 ..............3
HIST 222 Economic History of Europe ........................................3
HIST 225 The Poles, Czechs, Slovaks and Hungarians Since 1815 ....3
HIST 309 Feminist Ideas in Western Thought ...............................3
HIST 310 Immigrant in American History ....................................3
HIST 311 Early History of New Jersey 1702-1789 .........................3
HIST 312 Historical Geography of the United States .....................3
HIST 313 Biography in American History ....................................3
HIST 320 American Urban History Since 1880 .............................3
HIST 321 History of the American Worker since 1877 .....................3
HIST 322 History of Russia to 1917 .................................................3
HIST 324 Russia since 1917 ............................................................3
HIST 327 History of France since 1789 ...........................................3
HIST 328 Conflict in Modern Ireland .............................................3
HIST 329 History of England to 1714 ............................................3
HIST 331 History of England 1714-1914 .......................................3
HIST 406 History of American Business .......................................3
HIST 411 Intellectual History of the United States .........................3
HIST 420 The Reformation Era 1500-1650 .....................................3
HIST 422 Studies in Enlightenment History ..................................3
HIST 424 Diplomatic History of Europe ........................................3
HIST 426 The Nazi Third Reich ....................................................3
HIST 433 American Colonial History 1607-1763 ...........................3
HIST 434 American Revolution and Early Republic 1763-1828 ......3
HIST 435 The Union in Crisis 1820-1877 .....................................3
HIST 436 America in the Gilded Age ..............................................3
HIST 437 American Society in the 20th Century ............................3
HIST 438 America in the Sixties: The Crisis of Consensus Liberalism..3

Non-Western:
HIST 108 Introduction to African Civilization ................................3
HIST 109 Introduction to Islamic Civilization ................................3
HIST 114 Early Latin American Civilization .................................3
HIST 115 History of Puerto Rico ....................................................3
HIST 116 Modern Latin-American Civilization .............................3
HIST 128 Pre-modern Japan: A History of Japan to the Meiji Restoration ..................3
HIST 129 Modern Japan: A History of Japan from the Meiji through the Showa ...............3
HIST 131 Introduction to Indian Civilization ..................................3
HIST 132 Introduction to Chinese Civilization ...............................3
HIST 133 Modern Chinese Civilization ..........................................3
HIST 223 Communist Revolution in China ...................................3
HIST 416 Church and State in Latin America ...............................3
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<td>ENGL 494</td>
<td>Seminar in English Literature</td>
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<tr>
<td>ARHS 215</td>
<td>Ancient Art</td>
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<tr>
<td>ARHS 216</td>
<td>Renaissance Art in Italy: The Fifteenth Century</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 220</td>
<td>Art in Non-Western Societies</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 275</td>
<td>Afro-American Art</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 322</td>
<td>Early Christian-Byzantine Art</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 323</td>
<td>Medieval Art</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 324</td>
<td>Northern Renaissance Painting</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 325</td>
<td>Seventeenth and Eighteenth Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 327</td>
<td>History of Oriental Art</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 328</td>
<td>Survey of Greek Art</td>
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</tr>
<tr>
<td>ARHS 329</td>
<td>American Art</td>
<td>3</td>
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<tr>
<td>ARHS 332</td>
<td>Ancient Art of Europe</td>
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</tr>
<tr>
<td>ARHS 450</td>
<td>Modern Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 451</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 452</td>
<td>Renaissance Art in Italy: The Sixteenth Century</td>
<td>3</td>
</tr>
<tr>
<td>ARHS 455</td>
<td>Selected Problems in Art History</td>
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<tr>
<td>ARHS 457</td>
<td>Pre-Colombian, Oceanic and African Art</td>
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<td>ARHS 458</td>
<td>African Art: Sub-Saharan</td>
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<td>ARHS 459</td>
<td>Art of the Nineteenth Century</td>
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<td>ARHS 461</td>
<td>Nineteenth Century American Painting</td>
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<td>ARHS 469</td>
<td>Art of the Twentieth Century</td>
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<td>ARHS 485</td>
<td>Ancient Art in Italy: Etruscan and Roman Art</td>
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<td>MUGN 100</td>
<td>Introduction to Music</td>
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<tr>
<td>MUGN 150</td>
<td>Influence of Afro-American Culture on Music</td>
<td>3</td>
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<tr>
<td>MUGN 209</td>
<td>Introduction to Jazz</td>
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</table>
HEALTH PROFESSIONS, PHYSICAL EDUCATION, RECREATION, AND LEISURE STUDIES

COLLEGE OF EDUCATION AND HUMAN SERVICES
Chairperson: Joseph Donnelly

The Department of Health Professions, Physical Education, Recreation, and Leisure Studies (HPPERLS) provides preparation in the education theory, technology, research, policy and practice of health, adult fitness, allied health, athletic training, commercial recreation and tourism, community health, health education, hospitality management, physical education, and sports management. Students are educated for careers in the health care industry, in public and corporate education, teaching health and physical education, in the sports, recreation, hospitality, tourism industries and athletic training. Students are also well prepared for graduate-level education. All programs provide a combination of broad studies in the liberal arts with in-depth education in a professional field. All programs emphasize clinical and field experience. The curricula provides students with structure in a discipline as well as flexibility to elect courses in areas other than the academic major.

The department is organized into five (5) academic units: Athletic Training, Health Professions, Physical Education, Commercial Recreation and Tourism, and Hospitality Management.

HPPERLS offers many opportunities for both students majoring in these diverse areas of study as well as students generally interested in our unique professions. Although the career goals of majors are varied, there are certain common threads. Students tend to be people-oriented, concerned with lifelong activity, and interested in general fitness, wellness and business concepts. These characteristics apply to students preparing for traditional careers as teachers, clinicians, administrators and managers.

Health Professions majors are prepared through classroom instruction and field experience for careers in educational and administrative positions in hospitals, long term care facilities, clinics, and many other types of organizations involved in health care. Health Education majors prepare to teach and/or conduct research in traditional school settings. Community Health Education majors also prepare to develop and implement health-related programs in public or voluntary health agencies.

Athletic Training majors prepare for careers as athletic trainers. Athletic Trainers are allied health professionals who provide health care for physically active individuals. The Athletic Training Education Program (ATEP) and Bachelor of Science in Athletic Training prepare students for the national board examinations. Graduates who pass the certification examination can be employed as Athletic Trainers at high schools, colleges and universities, sports medicine clinics and professional athletic settings. The ATEP is a candidate for accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Physical Education majors are prepared for careers in teaching, (K-12) Physical Education and Health Certification and professional/entrepreneurial positions in the fitness field. Specializations in athletic training coaching, and adapted physical education have been developed to provide students with strong backgrounds in these specialized areas. The Adult Fitness concentration prepares students for a corporate, clinical (cardiac rehabilitation), commercial or community setting. The Association for Worksite Health Promotion recognized the Adult Fitness Program with an outstanding Professional Preparation Award.

Recreation Professions majors prepare for careers in commercial recreation and tourism, and hospitality management. These areas of study are designed to prepare the students for either immediate entry into the profession or graduate study. Emphasis is placed on developing leadership skills for supervisory positions and for management and marketing oriented careers.

Successful completion of each degree program results in the granting of the Bachelor of Science degree.

Health Education Major

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 207</td>
<td>Safety, Accidents, and Emergency Care</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 210</td>
<td>Consumer Health*</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 213</td>
<td>Perspectives on Drugs</td>
<td>3</td>
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<tr>
<td>HLTH 220</td>
<td>Mental Health</td>
<td>3</td>
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<tr>
<td>HLTH 240</td>
<td>Foundations of Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 290</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 307</td>
<td>The Study of Human Diseases</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 315</td>
<td>Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 330</td>
<td>Foundations Of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 404</td>
<td>Foundations of Measurement and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>in Health Education</td>
<td></td>
</tr>
<tr>
<td>HLTH 411</td>
<td>School Health and Community Services</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 440</td>
<td>Health Aspects of Aging*</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 442</td>
<td>Health Promotion*</td>
<td>3</td>
</tr>
</tbody>
</table>

* Required for Teacher Education only.

** Required for Community Health Services Concentration only.

Required Collateral Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 240</td>
<td>Mammalian Anatomy and Physiology I</td>
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<tr>
<td>BIOL 241</td>
<td>Mammalian Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 254</td>
<td>Applied Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 107</td>
<td>College Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 108</td>
<td>College Chemistry II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 110</td>
<td>College Chemistry Laboratory II</td>
<td>2</td>
</tr>
<tr>
<td>HENU 182</td>
<td>Nutrition</td>
<td>3</td>
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</table>

Community Health Services Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>HLTH 401</td>
<td>The Teaching of Health</td>
<td>4</td>
</tr>
<tr>
<td>HLTH 430</td>
<td>Health Counseling</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 491</td>
<td>Health Education and the Computer</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 231</td>
<td>Management Processes</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus the following courses in sequence:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>HLTH 245</td>
<td>Observation of Health Agencies</td>
<td>2</td>
</tr>
<tr>
<td>HLTH 350</td>
<td>Field Study in Health</td>
<td>6</td>
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</tbody>
</table>

Teacher Certification

Health Education, grades K-12

Students pursuing teacher certification in Health Education for Kindergarten through Grade 12 must be admitted to the Teacher Education Program. They take the required major and collateral courses listed above and HLTH 401, The Teaching of Health. In addition, they must follow the professional sequence outlined in the Teacher Education Program in this catalog.

Allied Health Services Major

Technical Speciality in Allied Health

Twenty-four (24) credits must be completed at or recognized by an academically accredited institution prior to transfer to Montclair State.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 315</td>
<td>Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 455</td>
<td>Core Concepts in the Delivery of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 460</td>
<td>Systems of Health Services Delivery</td>
<td>3</td>
</tr>
</tbody>
</table>

Collateral Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Accounting for Non Business Majors</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 201</td>
<td>Fundamentals of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Economics: Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 108</td>
<td>Computers and Programming</td>
<td>3</td>
</tr>
<tr>
<td>INFO 273</td>
<td>Introduction to Computers in Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Hours
Health Studies Minor

This eighteen-semester-hour minor is designed especially for Liberal Arts students and other selected majors seeking to enhance their academic and/or professional preparation through selected study pertaining to the broad spectrum of health care delivery and related services. Following careful consultation with a departmental advisor, each candidate develops a sequence of coursework in three major areas: (1) Foundations of Health Study; (2) Basic Content in the Health Disciplines; and (3) Processes of Development, Implementation and/or Evaluation, particularly as these elements pertain to the respective major field of study.

The basic objectives of the Health Studies Minor are to: (1) enhance career opportunities related to a student’s major academic and/or professional interests; (2) increase opportunities for continuing and advanced education in the health professions and/or in health-related disciplines; and (3) expand individual awareness of significant personal and community health issues, while providing for the refinement of one’s decision-making capabilities in these contexts. Students seeking acceptance into the Health Studies minor must consult with a departmental advisor to determine the applicability of the Health Studies Minor to one’s specific academic major and career goals. An eighteen-semester hour program of coursework must be established, including studies in each of the following categories:

A. Foundations of Health Study.............................................. 3-6 semester hours
   HLTH 105 Medical Terminology .................................................. 3
   HLTH 315 Community Health .................................................. 3
   HLTH 330 Foundations of Health Education ............................... 3
   HLTH 411 School Health and Community Services ...................... 3
   HLTH 460 Systems of Health Care Delivery ................................ 3
   HLTH 490 Ethics in Health Care .............................................. 3

B. Basic Content in the Health Disciplines ................................. 9-12 semester hours
   HLTH 101 Personal Health Issues ............................................ 3
   HLTH 207 Safety, Accidents and Emergency Care ...................... 3
   HLTH 210 Consumer Health .................................................. 3
   HLTH 213 Perspectives on Drugs ............................................. 3
   HLTH 220 Mental Health ........................................................ 3
   HLTH 240 Foundations of Environmental Health ....................... 3
   HLTH 290 Human Sexuality .................................................. 3
   HLTH 307 The Study of Human Diseases ................................... 3
   HLTH 313 Health Consequences of Alcohol Use and Abuse .......... 3

C. Processes of Development, Implementation and/or Evaluation .......... 3-6 semester hours
   HLTH 245 Observation of Health Agencies ................................ 2-3
   HLTH 350 Field Study in Health ............................................. 2-6
   HLTH 404 Foundations of Measurement and Evaluation in Health Education .................................................. 3
   HLTH 430 Health Counseling .................................................. 3
   HLTH 491 Health Education and the Computer ........................... 3
   HLTH 495 Writing for Publication in Health ............................... 3
   COED 401 Cooperative Education Experience I .......................... 3-8

Athletic Training Education Program

The Bachelor of Science in Athletic Training (BSAT) is a professional preparation program designed to provide students with the education necessary to prepare them for certification by the National Athletic Trainers' Association Board of Certification (NATABOC). Students pursuing certification in Athletic Training must be admitted to the Athletic Training Education Program (ATEP) and complete all requirements. The ATEP is accredited by the Commission for Accreditation of Allied Health Education Programs (CAAAHEP).

Students are primarily admitted to the ATEP on a space available basis. All prospective students must be admitted to the University and list Athletic Training as their choice of major. Candidates for the BSAT must submit an application for the program to the office of the Program Director. Prospective students must participate in an interview with the Program Director and/or Athletic Training faculty. All candidates must complete 100 hours of observation with an NATABOC Certified Athletic Trainer and pass the Technical Standards. Following completion of the application packet and interview, an Athletic Training Index (ATI) will be generated from cumulative scores on the objective portion of the recommendations, the Athletic Training faculty ranking of the narratives on recommendations and the student essay. All students receiving a cumulative ATI score of 70% or higher will be granted admission to the major. In the event of space limitations, an Athletic Training Admissions Committee consisting of the AT faculty, the MSU Head Athletic Trainer, MSU Assistant Athletic Trainer and a faculty member from the Health Professions department will generate the ATI. Available spaces in the class will be filled according to the ATI in descending order. Admissions begins March 1 and end with the MSU University deadline of May 1. Students desiring admission after the May 1 date for the upcoming fall semester will require permission from the Director of Admissions to apply to the University and the Director of the ATEP.

Transfer students and students desiring a change of major into the BSAT are handled on a case by case basis. The number of students accepted through this route depends on the space availability in the class they are applying to join. Transfer students must be accepted to the University and complete all ATEP application procedures. Completed application materials are to be submitted to the ATEP Director. Current MSU students desiring a change of major must complete and submit all ATEP application materials to the Program Director prior to scheduling an interview. Transfers and MSU students changing majors must have a cumulative grade point average (GPA) of at least 2.75.

For students who miss the deadline for completion of the ATEP application in the spring for the upcoming fall semester, a provisional acceptance route to the MSU ATEP is provided depending on space availability in the freshman class. Students attempting ATEP admission via the provisional route enter MSU as “undeclared” or in a MSU major to which they have gained acceptance. Students register for all fall ATEP coursework (see Program Requirements) which must be completed with a grade of "C" or higher. The overall GPA at the time of the provisional acceptance must be 2.75. All candidates must complete the entire ATEP admissions application including clinical observation hours, must be submitted on or before December 1. Students are responsible for making arrangements for the clinical observation hours and transportation to the clinical site. Please be advised that admission for provisional candidates is not rolling. Admission decisions will be made by the ATEP admissions committee during the break between semesters and are not finalized until grades have been recorded by the registrar. The admissions process is otherwise identical to that for other prospective students. The provisional route to ATEP admission is open to all matriculating students at MSU.

Please be advised that the ATEP course sequence takes at least 8 consecutive semesters to complete. Careful planning may decrease the required number of semesters to 6 for transfers or students changing majors. Please contact the ATEP Educational Director for information on coordination of coursework prior to admission. Up to date information on requirements for the BSAT can be found on the World Wide Web at http://www.montclair.edu/pages/atep/.

Athletic Training Major

Required Theory Courses (25 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPEM 100</td>
<td>Orientation to the Field of Health and Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>HLTH 150</td>
<td>Principles and Practices of Emergency Care</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 307</td>
<td>Study of Human Diseases</td>
<td>3</td>
</tr>
</tbody>
</table>
PECJ 220 Physiology of Exercise ..................................................3
PECJ 221 Kinesiology ...............................................................3
PECJ 222 Basic Motor Learning ..................................................3
PECJ 351 Adapted Physical Education .......................................3
PECJ 353 Psychology of Sport ..................................................3
HPEM 355 Measurement and Evaluation in Health and Physical Education ..................................................3

Required Professional Sequence (31 s.h.)
ATTR 101 Principles of Athletic Training ........................................3
ATTR 201 Advanced Prevention and Care of Athletic Injuries ...........3
ATTR 211 Assessment of Athletic Injuries I - Lower Body ...............3
ATTR 212 Assessment of Athletic Injuries II - Upper Body .............3
ATTR 311 Therapeutic Exercise in Athletic Training .......................3
ATTR 311 Therapeutic Modalities in Athletic Training ....................3
ATTR 411 Administration of Athletic Training Programs .................3
ATTR 479 Internship in Athletic Training .................................4
ATTR 495 Seminar in Athletic Training .......................................3
HLTH 105 Medical Terminology ...............................................3

Professional Clinical Sequence (10 s.h.)
PECJ 226 Clinical Education in Athletic Training I .......................2
PECJ 229 Clinical Education in Athletic Training II ......................2
PECJ 328 Clinical Education in Athletic Training III .....................2
PECJ 329 Clinical Education in Athletic Training IV ....................2
PECJ 428 Clinical Education in Athletic Training V .....................2

Required Collateral Courses (16)
BIOL 240 Mammalian Anatomy and Physiology I .......................3
BIOL 241 Mammalian Anatomy and Physiology II ......................3
CHEM 107 College Chemistry I .................................................2
CHEM 108 College Chemistry II ..............................................2
HENU 182 Nutrition .................................................................3
PSYC 200 Educational Psychology ..........................................3

Physical Education Major with Teacher Certification in Physical Education and Health

Teacher Certification
Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog.

The department has specific requirements for admission to the Teacher Education Program. These include maintaining a minimum grade point average (GPA) of 2.75 in physical education major courses (PECJ, HPEM, and HLTH) and a 2.75 GPA overall. In addition, transfer students need to complete a minimum of 6 semester hours in physical education courses at Montclair State University to be eligible to apply to the Teacher Education program.

Required Theory Courses (37 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPEM 100</td>
<td>Orientation to the Field of Health and Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>HPEM 150</td>
<td>Principles and Practices of Emergency Care</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 213</td>
<td>Perspectives on Drugs</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 220</td>
<td>Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 290</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 307</td>
<td>Study of Human Diseases</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 352</td>
<td>Development and Philosophy of Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 355</td>
<td>Measurement and Evaluation in Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 356</td>
<td>Management of Health, Physical Education, Athletic, and Fitness Programs</td>
<td>3</td>
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<tr>
<td>PECJ 220</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>PECJ 221</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PECJ 222</td>
<td>Basic Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>PECJ 351</td>
<td>Adapted Physical Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Activity Courses (16 s.h.)

1. Select 3 sport modules: One team, one individual, and one additional course (6 semester hours)
   a. Team Sports Modules choices:
      PECJ 135 Sports Module I: Football, Basketball, Team Handball | 2 |
      PECJ 136 Sports Module II: Soccer, Speedball, Volleyball | 2 |
      PECJ 137 Sports Module III: Softball, Lacrosse, and Hockey | 2 |
   b. Individual Sport Modules choices (4 semester hours)
      PECJ 138 Sports Module IV: Tennis, Badminton and Fencing | 2 |
      PECJ 139 Sports Module V: Archery, Golf, and Track and Field | 2 |

2. Required Skill Activities (10 semester hours):
   PECJ 117 Aquatics and Outdoor Education | 2 |
   PECJ 131 Fitness Activities | 2 |
   PECJ 145 Dance in the Schools | 2 |
   PECJ 235 Movement Experiences in the Elementary School | 2 |
   PECJ 248 Teaching Gymnastics in the Schools | 2 |

Collateral Courses (6 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>BIOL 240</td>
<td>Mammalian Anatomy and Physiology I</td>
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<tr>
<td>BIOL 241</td>
<td>Mammalian Anatomy and Physiology II</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional Sequence (37 semester hours)

1. Pre-admission to Teacher Education
   CURR 200 Initial Field Experience | 1 |
   PSYC 101 General Psychology I: Growth and Development | 3 |
   PSYC 200 Educational Psychology | 3 |

2. Acceptance to the Teacher Education Program
   CURR 400 Teacher, School and Society | 3 |
   CURR 410 Intermediate Field Experience in Education | 1 |
   HLTH 401 The Teaching of Health | 4 |
   PSYC 457 Teaching of Physical Education | 4 |
   READ 407 Reading: Theory and Process | 3 |
   READ 409 Teaching for Critical Thinking | 3 |

3. Professional Semester
   CURR 402 Seminar in Professional Education | 1 |
   CURR 411 Supervised Student Teaching | 8 |
   CURR 435 Effective Teaching/Productive Learning | 3 |

Professional Sequence for Teacher Education

Please refer to the Teacher Education Program, outlined in this catalog, for specific information on the Professional Sequence.

Physical Education Major

Adult Fitness Concentration (62 semester hours)

Required Courses (23 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPEM 100</td>
<td>Orientation to the Field of Health and Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>HPEM 352</td>
<td>Development and Philosophy of Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>HPEM 356</td>
<td>Management of Health, Physical Education, Athletic, and Fitness Programs</td>
<td>3</td>
</tr>
<tr>
<td>PECJ 220</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>PECJ 221</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PECJ 222</td>
<td>Basic Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>PECJ 246</td>
<td>Field Experience in Adult Fitness</td>
<td>1</td>
</tr>
<tr>
<td>PECJ 351</td>
<td>Adapted Physical Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Activity Courses Required (11 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
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<td>PECJ 117</td>
<td>Aquatics and Outdoor Education</td>
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<td>PECJ 131</td>
<td>Fitness Activities</td>
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<td>PECJ 151</td>
<td>Yoga, Relaxation and Stress Management</td>
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<td>PECJ 234</td>
<td>Leadership in Aerobic Programming</td>
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<tr>
<td>PECJ 234</td>
<td>Leadership in Anaerobic Programming and Conditioning</td>
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### Theory Specialization Core (28 s.h.)
- PEMI 340 Fitness and the Aging Process:.............3
- PEMI 375 Foundations and Practices in Cardiac Rehabilitation:........3
- PEMI 376 Seminar in Fitness Programming:........2
- BSED 101 Contemporary Business:...................3
- COUN 331 Group Dynamics:.........................2
- HENU 182 Nutrition:.................................3
- MKTG 240 Introduction to Marketing:..............3

#### Select One:
- PEMI 380 Internship in Physical Education:...........8
- OR
- PEMI 381 Cooperative Education in Physical Education:...........8

### Collateral Courses (16 s.h.)
- HUTH 101 Personal Health Issues:..................3
- HPEM 355 Measurement and Evaluation in Health and Physical Education:...........3
- BIOL 240 Mammalian Anatomy and Physiology I:........3
- BIOL 241 Mammalian Anatomy and Physiology II:........3
- CHEM 107 College Chemistry I:......................3
- CHEM 108 College Chemistry II:.....................2

### Hospitality Management Program

The hospitality industry is a dynamic, service-oriented industry that is growing in sophistication. Due to the characteristics of hospitality products and services and continuous growth, the hospitality industry requires competent professionals proficient in such areas as information systems, marketing, human resource management, accounting, and areas of specialization. Hence the need for professionals with appropriate Bachelor’s and Master’s degrees. The Bachelor of Science degree in Hospitality Management focuses on preparing students to manage daily operations, the financial and human resources and the marketing of all lodging, foodservice and beverage establishments including casinos, resorts, and cruise lines. An emphasis is placed on new trends and global impact of the hospitality industry, necessary for continuous growth and development.

Courses are also open as electives for those majoring in other fields meeting the necessary prerequisite requirements.

### Hospitality Management Major

#### Required Foundation Courses (36 s.h.)
- ACCT 201 Fundamentals of Financial Accounting:..................3
- ACCT 202 Fundamentals of Managerial Accounting:..................3
- HEFD 240 Sanitation Management and Food Microbiology: Certification:..................1
- HEFD 252 Quantity Food Purchasing and Production Laboratory:..................2
- HEFD 253 Quantity Food Purchasing and Production:..................3
- HOSP 150 Introduction to the Hospitality Industry:..................3
- HOSP 230 Hospitality Management:..................3
- HOSP 290 Hospitality Internship I:..................3
- HOSP 300 Hospitality Law:..................3
- PERL 235 Tourist and Hospitality Marketing:..................3
- PERL 350 Facilities Design and Maintenance in the Tourism and Hospitality Industry:..................3

#### Required Major Courses (21 s.h.)
- HOSP 405 Human Resource Management in Hospitality and Tourism:..................3
- HOSP 410 Hospitality Operations Management I:..................3
- HOSP 415 Cost Management for Hospitality Managers:..................3
- HOSP 420 Advanced Hospitality Marketing:..................3
- HOSP 425 Technology in the Hospitality Industry:..................3
- HOSP 435 Managing Diversity in the Hospitality Industry:..................3

#### Capstone Course
- HOSP 490 Entrepreneurship in the Hospitality Industry:..................3

#### Electives (6 s.h.)
Select one of the options listed below:
- Option 1: Choose two courses from the following:
  - HOSP 440 Service Management in the Hospitality Industry:..................3
  - HOSP 445 Hospitality Operations Management II:..................3
  - HOSP 450 International Hospitality Management:..................3

- Option 2: Choose one course from the Hospitality Management courses listed under Option 1 and one course at the 300 level or above from the fields of Business, Commercial Recreation and Food Management. Students who exercise this option must obtain departmental approval for the course selected and must have fulfilled any prerequisites for that course as well.

#### Collateral Courses
- CMPT 109 Introduction to Computer Applications: Being Fluent with Information Technology:..................3
- ECON 100 Introduction to Economics:..................3
- HEMP 192 Nutrition:..................4
- HOSP 199 Hospitality and Tourism Professional Seminar I:..................1
- MATH 109 Statistics:..................3

### Recreation Professions Program

As more leisure time becomes available, the opportunity for leadership in both the private and public areas of leisure and tourism enterprises grows. A student who enrolls in the department’s program can earn a Bachelor of Science degree with a concentration in Commercial Recreation and Tourism. This program prepares students for leadership, management and marketing positions in such areas as cruise lines, hotels/resorts, sports and entertainment management and production, events management, theme parks, local and regional commercial recreation and entertainment facilities, travel and tour companies, museums, zoos; national, state and local parks; private leisure service industries such as the YMCA, Boy Scouts and Girl Scouts, and other related industries and organizations.

Courses are also open as electives for those majoring in other fields and the department also offers a general leisure and tourism education class that is open to all students. The emphasis in the last class is enriching one’s leisure lifestyle and understanding the importance of leisure and tourism to the economy and cultural diversity.

### Recreation Professions Major

#### Commercial Recreation and Tourism Concentration

#### Required Courses (42 s.h.)
- PERL 123 Leadership and Business Ethics in the Tourism and Hospitality Industry:..................3
- PERL 124 Introduction to Recreation, Tourism, Hospitality and Leisures Services:..................2
- PERL 225 Program Planning in Recreation and Leisure:..................3
- PERL 228 Recreation and Hospitality for Special Populations:..................3
- PERL 312 Budget and Finance in Recreation and Tourism:..................3
- PERL 322 History and Philosophy of Leisure, Play and Recreation:..................3
- PERL 334 Research Methods in Recreation and Leisure Services:..................4
- PERL 350 Design, Maintenance, and Utilization of Recreation, Tourism and Park Facilities:..................3
- PERL 430 Management of Recreation and Leisure Services:..................4
- PERL 437 Senior Seminar*:..................2
- PERL 489 Internship**:..................12

#### Required Concentration Courses (18 s.h.)
- PERL 311 Meeting, Event, and Conference Planning:..................3
- PERL 340 Introduction to Commercial Recreation and Tourism:..................3
- PERL 342 Delivery of Commercial Recreation and Tourism Services:..................3
- PERL 346 Tourism and Commercial Recreation, Planning, Development, and Analysis:..................3
- Two Business Electives selected from approved list:..................6
- 2.45 GPA needed
- **Satisfactory completion of Senior Seminar
- Recreation students are required to include 6 semester hours of Psychology under General Education.
Courses of Instruction

Athletic Training

ATTR 101
PRINCIPLES OF ATHLETIC TRAINING 3.0
The first course in the Bachelor of Science Athletic Training. Students in this course will learn introductory theory and skills in the prevention, recognition and care of athletic injuries. In addition, the course will introduce students to concepts in emergency planning, research and writing in the field of athletic training and basic skills in injury care and patient transfer.
Prerequisite: Athletic Training majors only; departmental approval.
Corequisite: BIOL 240.

ATTR 199
ORIENTATION TO ATHLETIC TRAINING 1.0
This course will serve as an introduction to the university experience with emphasis on an introduction to the Athletic Training profession. The goal of this course is to provide a forum for the development of strategies, skills and techniques that promote success in University life and in an allied health degree program. Topics will include MSU expectations, critical thinking, study skills, note-taking, course selection, diversity, wellness, and an understanding of the breadth of athletic training and sports medicine in the schools, community, medical and allied health settings. Students will develop skills in oral presentation, general and discipline specific written expression, and class participation.
Prerequisite: Athletic Training majors only.

ATTR 201
ADVANCED PREVENTION AND CARE OF ATHLETIC INJURIES 3.0
This advanced level course integrates the knowledge of anatomy, physiology, biomechanics, nutrition, conditioning, and first aid. This course provides an understanding of the prevention, care, and rehabilitation of athletic injuries. Theoretical and practical aspects of the field will be presented through lecture and laboratory sessions in order to develop a broad background concerning the health care and medical management of athletic injuries. This course is a requirement for the B.S. in Athletic Training and is directed to students accepted into the major.
Prerequisite: ATTR 101 and BIOL 240; Athletic Training majors only; departmental approval.
Corequisite: ATTR 251.

ATTR 211
ASSESSMENT OF ATHLETIC INJURIES I - LOWER BODY 3.0
The study of theory and techniques required by Athletic Trainers and sports medicine professionals in the evaluation of injuries and conditions to the lower body in physically active individuals. Application of techniques for the assessment of injuries and medical conditions in athletes and physically active individuals will be integrated with laboratory and clinical education experiences. A summary paper is required.
Prerequisites: ATTR 201, Athletic Training majors only and departmental approval.
Corequisite: ATTR 252.

ATTR 212
ASSESSMENT OF ATHLETIC INJURIES II - UPPER BODY 3.0
Theory and techniques required by athletic trainers and sports medicine professionals in the evaluation of injuries and conditions to the upper body in physically active individuals. Application of techniques for the assessment of injuries and medical conditions in athletes and physically active individuals will be integrated with laboratory and clinical education experiences. Concepts of medical assessment will also be covered. Students will also complete a health and injury inventory.
Prerequisites: ATTR 201, Athletic Training majors only, and departmental approval.
Corequisite: ATTR 351.

ATTR 240
CLINICAL ANATOMY 2.0
This provides students with an educational experience that connects human anatomy to the clinical practice of athletic training. Students will be provided with a basic core of anatomic knowledge necessary to understand athletic injury pathology including basic radiographic anatomy.
Prerequisite: Athletic Training majors only.

ATTR 311
THERAPEUTIC MODALITIES IN ATHLETIC TRAINING 3.0
An introduction to therapeutic modalities used for athletic injury rehabilitation within athletic training programs. Topics include physiological effects of therapeutic modalities, theory and principles related to modality utilization, indications and contraindications associated with modality utilization. Practical applications of therapeutic modalities is included.
Prerequisites: ATTR 211, and ATTR 252; Athletic Training majors only; and departmental approval.

ATTR 312
THERAPEUTIC EXERCISE IN ATHLETIC TRAINING 3.0
This class is a study involving the theory and application of rehabilitative exercise to individuals with athletic injuries. This includes preparation for return to play. Upon successful completion of the class, the student should be able to properly select and properly use therapeutic exercise as part of a comprehensive program of athletic injury care and rehabilitation.
Prerequisites: ATTR 211, ATTR 212, ATTR 311; Athletic Training majors only; departmental approval.
Corequisites: PEMI 352.

ATTR 411
ADMINISTRATION OF ATHLETIC TRAINING PROGRAMS 3.0
An overview of administrative components of an athletic training program for high school, college, and professional athletic organizations. Topics include financial management, training room management, personnel management, health care services, and pharmacology for athletic trainers. Practical experiences in budget management, facility organization, Pharmacological procedures and issues and a case study approach to issue resolution are included.
Prerequisites: ATTR 311 and 312, Athletic Training majors only; departmental approval.
Corequisite: PEMI 451.

ATTR 479
INTERNSHIP IN ATHLETIC TRAINING 4.0
An upper level course for students in the B.S. in Athletic Training. In this course students will be able to apply theoretical and practical information learned in the program in a working athletic training setting. In this course students will work with an Athletic Training Clinical supervisor at an off-campus venue. The course also provide the student the opportunity to discuss and evaluate the fieldwork experience as well as the field of athletic training through class meetings.
Prerequisites: ATTR 411, PEMI 451, Athletic Training majors only, and departmental approval.

ATTR 495
SEMINAR IN ATHLETIC TRAINING 3.0
The capstone course for students in the athletic training education program. Students summarize and draw together their didactic and clinical education in preparation for the National Athletic Trainers' Association Certification Examination. Students also explore subjects and current issues germane to the field of athletic training.
Prerequisite: ATTR 411, senior status, Athletic Training majors only, and departmental approval.

PEMI 228
CLINICAL EDUCATION IN ATHLETIC TRAINING I 2.0
The first in a series of courses which provide students in the Athletic Training Education Program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses completed to date under the supervision of a clinical instructor.
Corequisite: ATTR 101. Special fee.

PEMI 229
CLINICAL EDUCATION IN ATHLETIC TRAINING II 2.0
The second in a series of courses which provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on assessment and evaluation of athletic injuries.
Corequisite: ATTR 211 or ATTR 212. Special fee.

PEMI 328
CLINICAL EDUCATION IN ATHLETIC TRAINING III 2.0
The third course to provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on the use of therapeutic modalities in the sports medicine setting.
Prerequisite or corequisite: ATTR 311. Special fee.
PEM 329
CLINICAL EDUCATION IN ATHLETIC TRAINING IV 2.0
Fourth course to provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on the use of therapeutic exercise and rehabilitation in the sports medicine setting. 
Prerequisite or corequisite: ATTR 312. Special fee.

PEM 428
CLINICAL EDUCATION IN ATHLETIC TRAINING V 2.0
The last in a series of courses to provide students in the athletic training education program with supervised clinical education and experience. Under the supervision of a certified clinical instructor, students utilize skills and information form previous classroom and clinical education experiences to assume the majority of duties associated with the operation of an athletic training facility.
Prerequisite or corequisite: ATTR 411. Special fee.

**Health Professions**

HLTH 101
PERSONAL HEALTH ISSUES 3.0
Examines health as a variable entity having physiological, psychological and environmental dimensions. Employs an individualized participatory approach that includes assessing one’s own health status and behavior; increasing competencies in making health related decisions; eliciting health promoting behaviors; and interpreting existing or proposed social actions that ultimately affect personal, family and community health. Meets the 1983 General Education Requirement (GER)–Electives, Personal/Professional Issues.

HLTH 105
MEDICAL TERMINOLOGY 3.0
A basic health course introducing elements of medical terminology describing body parts, systems, functions and medical procedures. Emphasis will be placed on development of medical vocabulary and communication skills. The course will provide learning episodes in formulating medical abbreviations and translating complex terminology into lay terms, that ultimately will be applicable to careers in medical writing, health care delivery and management.

HLTH 150
PRINCIPLES AND PRACTICES OF EMERGENCY CARE 3.0
Provides for study of emergency care management. Provides knowledge and skills for teaching principles and practices of emergency care in a school or adult fitness setting.

HLTH 207
SAFETY, ACCIDENTS AND EMERGENCY CARE 3.0
Provides for study of major safety areas including transportation, public safety, industrial and home safety. Emergency health care, first aid treatment, and preventive measures are considered in the context of individual, agency and institutional responsibilities.

HLTH 210
CONSUMER HEALTH 3.0
Interpretation of individual economic activity as it relates to health service and health products. Includes analysis of factors influencing consumer health attitudes and behavior. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

HLTH 213
PERSPECTIVES ON DRUGS 3.0
Provides for the study of licit as well as illicit drug use in contemporary society from the perspective of selected biomedical and psychosocial disciplines. Examines the effects of drugs on the individual and society in the context of changing social conditions and technological developments. Analyzes complex nature of the drug problem and rehabilitative and preventive measures and tentative solutions to this important aspect of human existence. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

HLTH 215
DRUG EDUCATION IN THE SCHOOLS 3.0
Prepare health and physical education teachers to teach and implement drug education programs in the schools.
Prerequisite: Health and Physical Education majors only.

HLTH 220
MENTAL HEALTH 3.0
Provides for the study of human emotional adjustment throughout the life cycle from biomedical and psychosocial perspectives. The factors that foster the development of emotional and mental well-being and the forces that contribute to the breakdown of human adjustment capabilities are identified and analyzed in light of research and clinical literature. Special attention is given to the strategies for the prevention of mental disorders and promotion of mental health. Meets the 1983 General Education Requirement (GER)--Electives, Personal/Professional Issues.

HLTH 240
FOUNDATIONS OF ENVIRONMENTAL HEALTH 3.0
Prepares student to make informed decisions concerning the avoidance or elimination of disease-causing environmental exposures by providing an understanding of the scientific principles by which these exposures are identified, measured, and judged as to their acceptability. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-laboratory Science.

HLTH 245
OBSERVATION OF HEALTH AGENCIES 2.0-3.0
An introductory field course designed to acquaint students with a wide range of school and community health programs and professional specializations in health. Provides a series of field visits and short-term placements under professional supervision. Open to all.

HLTH 246
EPIDEMIOLOGY 3.0
Provides a basic understanding of the epidemiologic method of identifying disease-causing exposures. Emphasizes the generation of hypotheses based on descriptive epidemiologic data, the testing of hypotheses by analytical epidemiologic research, the determination of causality, and the value of epidemiologic research in developing and evaluating disease prevention strategies. Meets Gen Ed 2002–Social Science, Social Science.

HLTH 290
HUMAN SEXUALITY 3.0
Provides for the study of human sexuality from the various biological, physiological, sociological, and psychological perspectives and examines individual and community attitudes concerning sexual behavior. Includes such contemporary issues as abortion, sterilization, homosexuality, artificial insemination, and gender selection. Acquaints students with criteria and processes for understanding themselves as sexual beings in the context of the social environment which provides their opportunities and constraints. Meets the 1983 General Education Requirement (GER)–Electives, Personal and Professional Issues.

HLTH 301
ADDICTIONS AND DEPENDENCIES 2.0
Nature and causes of drug dependencies, including study of substances capable of producing dependency. Preventive measures and various approaches to treatment and rehabilitation of drug-dependent persons.

HLTH 307
THE STUDY OF HUMAN DISEASES 3.0
Provides a comprehensive study of diseases, their etiology, pathophysiology, diagnosis, prognosis, and treatment. Includes a review of causation theories and incidence patterns and focuses on major degenerative, neo-plastic, metabolic, immunologic, and infectious diseases. Attention is given to prevention and control measures with an emphasis on the role of selected health/medical resources in disease management.

HLTH 315
PUBLIC HEALTH 3.0
A basic course focusing on major health problems currently affecting the local, state, national and international scenes and includes consideration of political, social and economic factors. Special attention is directed to the public health organizations and agencies dealing with these health problems. Meets the University Writing Requirement for ALHE, HLCH, HLED majors.

HLTH 330
FOUNDATIONS OF HEALTH EDUCATION 3.0
Provides a comprehensive study of the scientific, social, behavioral, educational, and legal foundations of health education. Traces the evolution and interprets the impact of related professions on school, community and allied health education. Meets the University Writing Requirement for HLCH, HLED majors.
HLTH 350
FIELD STUDY IN HEALTH 2.0-6.0
Selected experiences in community health work through arrangements with various kinds of health agencies. Major projects developed under supervision of a faculty member and a qualified person in the health professions agency.
Prerequisite: HLTH 245.

HLTH 401
THE TEACHING OF HEALTH 4.0
Traces historical development of health instruction, examines characteristics of health learners, and compares different types of health education programs. Provides for use of the computer in health education. Requires demonstration of health education planning, teaching and evaluation skills.
Prerequisite: Admission to Teacher Education Program.

HLTH 404
FOUNDATIONS OF MEASUREMENT AND EVALUATION IN HEALTH EDUCATION 3.0
Provides for the study of the concept and the process of measurement and evaluation in health education. Specific topics related to test selection, test construction, test administration, and analysis of test results are discussed within a broad theoretical framework and reinforced with practical experiences.
Prerequisite: Admission to Teacher Education Program.

HLTH 411
SCHOOL HEALTH AND COMMUNITY SERVICES 3.0
Provides for an in-depth understanding of the school health program and community services. Includes study of school and health services, healthful school environment, and health education and community health services.

HLTH 430
HEALTH COUNSELING 3.0
Course focuses on factors influencing health and illness behavior with implication for behavioral intervention in health care. Included are the intervention strategies of prevention, crisis intervention, postvention and compliance, and the intervention techniques of assessment, interviewing, counseling skills and small group dynamics.

HLTH 440
HEALTH ASPECTS OF AGING 3.0
This course focuses upon changes in aspects of health during the middle and later years of life. Includes anatomy and physiology, nutritional requirements, sensoria and those phenomena associated with aging and sexuality. Common causes of morbidity and mortality explored as they relate to the aged. Attention given to the psychosocial and economic needs of the elderly as well as to those aspects of gerontology which deal with legislation and community organization.

HLTH 442
HEALTH PROMOTION 3.0
Provides an overview of efforts to reduce the prevalence of disease-promoting behaviors by establishing health programs in various settings. Criteria for prioritizing health promotion efforts are examined and applied to specific risk factor reduction efforts. The need to evaluate the cost-benefit of health promotion programs is emphasized. Administrative and ethical issues in health promotion are addressed.

HLTH 445
PERSPECTIVES ON DEATH 3.0
Exploration of the personal and social meanings of death. Formulation of realistic plans for living, through education about death.

HLTH 455
CORE CONCEPTS IN THE DELIVERY OF HEALTH CARE 3.0
Interdisciplinary analysis of patient care, supporting functions of health practitioners and human service principles underlying allied health professional-patient interactions. Meets the University Writing Requirement for ALHE majors.
Prerequisites: Six months of occupational experience in an allied health specialty.

HLTH 460
SYSTEMS OF HEALTH SERVICES DELIVERY 3.0
The organization, administration and functions of health services in the United States and other major nations; the social and professional policies which determine their scope and nature. Principal methods currently employed in the U.S. for analysis and evaluation of health care systems. Offers opportunity to students to relate these general understandings to those segments of the health services system of particular professional interest to themselves.

HLTH 491
HEALTH EDUCATION AND THE COMPUTER 3.0
Provides students with a basic understanding of and skills in computer functions related to school and community health education programs. Emphasizes the use and evaluation of software for the planning, implementation and evaluation of health education processes. Explores the use of video technologies and the potential impact of future developments in computer technology.

HPEM 100
ORIENTATION TO THE FIELD OF HEALTH AND PHYSICAL EDUCATION 1.0
A professional orientation and an introduction to the breadth of the field of health and physical education in schools, industry and community agencies. Special emphasis is given to the program at Montclair State University. Meets the University Writing Requirement for ATTR, PEAF, PHED majors.

HPEM 352
DEVELOPMENT AND PHILOSOPHY OF HEALTH AND PHYSICAL EDUCATION 3.0
The history and development of health and physical education are traced from primitive to modern times. Influences which contributed to the modern philosophy of health and physical education are identified. May not be taken until junior year. Meets the University Writing Requirement for PEAF, PHED majors.
Prerequisite: Junior standing.

HPEM 355
MEASUREMENT AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION 3.0
Tests and measurements specifically concerned with the areas of health and physical education. Tests and measurements as tools for better teaching as well as for research.
Prerequisite: Junior standing.

HPEM 356
MANAGEMENT OF HEALTH, PHYSICAL EDUCATION, ATHLETICS AND FITNESS PROGRAMS 3.0
Comprehensive information about the management of health and physical education, athletics, and fitness programs. Current trends, practices and support services essential to the development of these programs will be examined.
Prerequisite: Junior standing.

Hospitality Management

HOSP 150
INTRODUCTION TO THE HOSPITALITY INDUSTRY 3.0
An overview of the dynamic world of the hospitality industry with emphasis on the wide variety of career opportunities. Introduces students to the relationship between the tourism and hospitality industries. Emphasizes lodging and restaurant development and operations. In addition, explores career opportunities in these areas.

HOPS 199
HOSPITALITY AND TOURISM PROFESSIONAL SEMINAR 1.0
To provide student with essential knowledge and survival skills needed for the effective study of hospitality and tourism. The seminar includes first-year student orientation, establishes hospitality and related areas identity among students, and explores the fields of hospitality and tourism management as a career. This course also promotes an awareness and understanding of diversity, values and perspectives as they relate to overall student success at MSU. Meets Gen Ed 2002–New Student Seminar.

HOSP 230
HOSPITALITY MANAGEMENT 3.0
Introduction to management history and functions such as planning, leading, organizing, and controlling. Provides basic understanding of management concept and its application in the hospitality industry.

HOSP 290
HOSPITALITY INTERNSHIP I 3.0
Provides students with industry experience. It enables students to apply their classroom learning to an actual professional work setting. Challenges students in the areas of oral and written communication, critical thinking, global awareness, leadership, technology, self-directed learning, career readiness, decision-making, social responsibility and responsiveness.
Prerequisites: HOSP 150, HOSP 199, HOSP 230, PERL 123, PERL 235.
HOSP 400
HOSPITALITY LAW 3.0
The goal of this course is to introduce students to the laws and regulations applicable to the ownership and operation of hospitality businesses. It will focus on the legal fundamentals for the hospitality industry with specific emphasis on tort, contract, criminal, and labor law. Cross listed with Legal Studies, LSLW 400.

HOSP 405
HUMAN RESOURCE MANAGEMENT IN HOSPITALITY AND TOURISM 3.0
Discusses the managerial competencies necessary to manage and motivate the human resources of hospitality and tourism organizations. Competencies include job analysis description and evaluation, recruiting, training, and retention. Class project required. 
Prerequisite: HOSP 230.

HOSP 410
HOSPITALITY OPERATIONS MANAGEMENT I 3.0
This course examines the mechanisms and techniques employed in the management of hospitality operations. It discusses hospitality organizational and operations management responsibilities. Comparisons, case studies, and selected topics focus on equity structures, operations, marketing, and systems for a variety of hospitality operations. Class project required. 
Prerequisite: HOSP 150.

HOSP 415
COST MANAGEMENT FOR HOSPITALITY MANGERS 3.0
This upper-level course builds on the principles and concepts of financial and managerial accounting. It discusses departmental costs and the relationships between revenues and various types of costs. In addition, it explores the relationship between cost, volume and profit. Common control mechanisms and purchase practices noted in the hospitality industry will be explored. Class project required. Optional: The Educational Institute of the American Hotel and Lodging Association Certification Examination. 
Prerequisite: HOSP 150.

HOSP 420
ADVANCED HOSPITALITY MARKETING 3.0
Provides an opportunity for students to analyze the marketing cases based on "real world" situations in the hospitality industry. The case study process will bring theory, concepts, and facts into the realm of application and implementation. An overview of the discipline as it pertains to the hospitality organizations will be presented to help students with their analysis. Class project required. 
Prerequisite: PERR 255.

HOSP 425
TECHNOLOGY IN THE HOSPITALITY INDUSTRY 3.0
Explores the impact of technology on the hospitality industry. Exposes students to the different software used in the industry including the property management systems, point-of-sale system, reservation, and accounting systems. The use of E-Commerce as a marketing tool will also be explored. Class project required. 
Prerequisite: CMPT 109.

HOSP 440
SERVICE MANAGEMENT IN THE HOSPITALITY INDUSTRY 3.0
Teach students all aspects of delivering hospitality service. It is customer driven with emphasis on Total Quality Management, customer problem-solving skills, and outcome assessment. Class project required. 
Prerequisite: HOSP 230.

HOSP 445
HOSPITALITY OPERATIONS MANAGEMENT II 3.0
Deals with the daily operations of resorts and cruise management. Emphasis will be on the housing and food and beverage services that cater to the people away from home. It highlights the difference on managing a traditional hotel and explores features that are unique. It builds on the basic knowledge of hospitality operations. Class project required. 
Prerequisite: HOSP 410.

HOSP 450
INTERNATIONAL HOSPITALITY MANAGEMENT 3.0
Introduction to the dimensions and nature of international hospitality operations. Create a sensitivity to and awareness of the differences in managing different cultures as well as present a global view of hospitality management. Topics covered include cultural dimensions of management, international marketing, and international human resource management. Class project required. 
Prerequisites: HOSP 150 and PERR 124.

HOSP 460
HOSPITALITY INTERNSHIP II 3.0
a second opportunity in a professional work experience for students before completing their degree. Students apply upper-level course work knowledge to a professional work setting. Students build on the first professional work experience in the areas of oral and written communication, critical thinking, global awareness, leadership, technology, self-directed learning, career readiness, decision-making, social responsibility and responsiveness. 
Prerequisites: HOSP 290, HOSP 400, HOSP 405, HOSP 410, HOSP 415, HOSP 420.

HOSP 490
ENTREPRENEURSHIP IN THE HOSPITALITY INDUSTRY 3.0
This upper-level course is designed to guide students in the development process of hotels and restaurants from concept to operations. Students engage in a project base-learning experience using and applying the knowledge and skills learned from foundation and major courses to go through the process of creating and opening a hospitality establishment. 
Prerequisites: Senior standing, ACCT 202, HOSP 405, HOSP 420.

Physical Education非-Major Courses

PEGN 200
BEGINNING SWIMMING 1.0
This course is designed for beginning swimmers and those who are not comfortable in the water. The scope of the course will cover a wide variety of swimming strokes and survival techniques. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)–Physical Education.

PEGN 230
PERSONALIZED FITNESS 3.0
An introductory course in personalized fitness covering theories and techniques of the physiological and psychological components of fitness. Designed for second careers students.

PEGN 251
AEROBIC ACTIVITIES 1.0
This course will provide the student with an opportunity to recognize and develop cardiovascular conditioning, endurance and lifetime fitness skills. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)–Physical Education.

PEGN 257
WEIGHT TRAINING AND CONDITIONING 1.0
A regimen of physical fitness (conditioning) exercises will be established for the individual student, and assistance will be rendered to help him or her in following this regimen in order to reach his or her maximum physical potential (muscle tone and endurance). Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)–Physical Education.

PEGN 258
BEGINNING TENNIS 1.0

PEGN 260
BEGINNING RIDING 1.0

PEGN 262
VOLLEYBALL 1.0

PEGN 265
FIGURE SKATING 1.0
Figure skating for the novice taught at an off-campus skating rink. Meets Gen Ed 2002–Physical Education. Meets the 1983 General Education Requirement (GER)–Physical Education.
PEGN 266
SKIIING
The student is provided with information pertaining to basic techniques, safety, etiquette, and equipment relevant to his level of skiing. Instruction will be given on the slope for five weeks along with additional information to be given on campus. An additional fee is required for lift tickets and rental equipment. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.
PEGN 271
SOCIAL DANCE
The course covers the traditional ballroom dances as well as current popular styles and routines. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.
PEGN 272
BOWLING
Adequately prepare and develop the student with a background of the necessary skills essential to performing and understanding the art of bowling. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.
PEGN 274
SCuba DIVING
1.0
PEGN 275
BEGINNING KARATE
1.0
PEGN 278
YOGA
1.0
Instruction will be given in how to perform yoga postures, plus the techniques of breathing, relaxation, awareness, and concentration, with their proper progression. The historical and psychological factors involved in the development of yoga, and its increasingly widespread appeal physically and philosophically will be dealt with. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.
PEGN 279
CLIMBING AND REPPELLING
1.0
Based on Adventure Education principles of experiential learning. In learning to climb, students will acquire skills in: communication, problem solving, trust development, promoting self-esteem, decision making, and leadership. Meets Gen Ed 2002-Physical Education. Meets the 1983 General Education Requirement (GER)-Physical Education.

Physical Education Major Courses

PEMI 110
AQUATICS
1.0
For those with a minimum amount of aquatic knowledge and skill. Swimming strokes, water stunts and springboard diving. Organization for teaching groups and safety precautions.
PEMI 113
MEN’S GYMNASTICS AND TUMBLING
2.0
This course is designed to introduce methods and materials in gymnastics and tumbling for the major students. Emphasis will be placed on the organization of gymnastic movements for learning according to their similarities in difficulty and execution. The role of the teacher in facilitating skill development in gymnastics and tumbling also will be emphasized.
PEMI 114
WOMEN’S GYMNASTICS AND TUMBLING I
2.0
Developing skills on the apparatus; demonstrating an understanding of skills for elementary through high school. Safety measures related to equipment and spotting. Students perform progression for basic skills on all equipment.
PEMI 117
AQUATICS AND OUTDOOR EDUCATION
2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of aquatics and selected outdoor education skills.
PEMI 131
FITNESS ACTIVITIES
2.0
A comprehensive course to provide the student with knowledge needed for developmental programming of personalized fitness activities utilizing all modes of fitness training.
PEMI 135
SPORTS MODULE I: FOOTBALL, BASKETBALL, TEAM HANDBALL
2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of football, basketball and team handball.
PEMI 136
SPORTS MODULE II: SOCCER, SPEEDBALL, VOLLEYBALL
2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of soccer, speedball and volleyball.
PEMI 137
SPORTS MODULE III: SOFTBALL, LACROSSE, AND HOCKEY
2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of softball, lacrosse, and hockey.
PEMI 138
SPORTS MODULE IV: TENNIS, BADMINTON, AND FENCING
2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of tennis, badminton, and fencing.
PEMI 139
SPORTS MODULE V: ARCHERY, GOLF, AND TRACK AND FIELD
2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of archery, golf, and track and field.
PEMI 143
SOCIAL DANCE
1.0
The fundamental of social dance are presented to the student.
PEMI 145
DANCE IN THE SCHOOLS
2.0
This course provides an overview of the theory, instruction and performance in the fundamentals of folk, square, and social dance forms.
PEMI 151
YOGA, RELAXATION AND STRESS REDUCTION
1.0
Provides for the development of basic skills in the performance and teaching of hatha yoga and basic neuromuscular relaxation. Each student will be able to plan and implement stress reduction programs for individuals in a one-to-one counseling situation and teach sessions in a classroom format.
PEMI 220
PHYSIOLOGY OF EXERCISE
3.0
The physiological effects of physical activity upon the human organism. The reaction of exercises of speed, strength, and endurance upon the muscular and circula-respiratory system. Prerequisites: BIOL 240 and 241.
PEMI 221
KINESIOLOGY
3.0
An overview of the integrated functioning of the skeletal, muscular and nervous systems and the biomechanical principles governing efficient movement, in order to effectively analyze the performance of motor skills. Prerequisites: BIOL 240 and 241.
PEMI 222
BASIC MOTOR LEARNING
3.0
This course provides students with knowledge of the theoretical basis of human learning and performance in motor activity. Prerequisites: BIOL 240 and 241.
PEMI 226
COACHING PRINCIPLES AND PROBLEMS
3.0
This course is designed to present an overview of the principles and problems pertaining to coaching on the high school and college levels.
PEMI 227
SOCIAL PROBLEMS IN SPORTS
3.0
Designed to analyze a number of important and controversial issues of sports in American society. Meets the 1983 General Education Requirement (GER)-Contemporary Issues.
PEMJ 231  
**FITNESS ASSESSMENT AND EXERCISE PRESCRIPTION 2.0**  
This comprehensive course will allow the student in the adult fitness concentration the opportunity to practice field test assessment skills and procedures. Students will also be exposed to all aspects of equipment and instrumentation commonly found in the fitness industry.  
*Prerequisite: PEMJ 131.*

PEMJ 232  
**EXERCISE LEADERSHIP 2.0**  
This course provides an introduction to exercise leadership concepts covering theories and techniques of the physiological bases of strength training/conditioning and aerobic fitness activities.  
*Prerequisite: PEMJ 131.*

PEMJ 233  
**LEADERSHIP IN AEROBICS PROGRAMMING 2.0**  
Students will acquire skills in performing, demonstrating, and teaching aerobic activities.  
*Prerequisite: PEMJ 131.*

PEMJ 234  
**LEADERSHIP IN ANAEROBIC PROGRAMMING AND CONDITIONING 2.0**  
Students will acquire skills in performing, demonstrating, and teaching strength training and anaerobic conditioning.  
*Prerequisite: PEMJ 131.*

PEMJ 235  
**MOVEMENT EXPERIENCES IN THE ELEMENTARY SCHOOL 2.0**  
A comprehensive activity course designed to present theory and practical application of movement experiences and non-sport activities in physical education in the elementary school.

PEMJ 244  
**PHYSICAL EDUCATION FIELD EXPERIENCE 1.0**  
This course will provide an opportunity for physical education majors interested in teacher education to examine the nature and function of physical education programs in a public school setting.

PEMJ 246  
**FIELD EXPERIENCE IN ADULT FITNESS 1.0**  
This course permits physical education majors interested in adult fitness an opportunity to observe and evaluate a variety of adult fitness programs.

PEMJ 248  
**TEACHING GYMNASTICS IN THE SCHOOLS 2.0**  
Knowledge and understanding of the techniques of gymnastics in physical education programs within the school setting.  
*Prerequisite: PEMJ 113 or 114.*

PEMJ 255  
**PRACTICUM IN SELECTED PHYSICAL EDUCATION PROGRAMS 2.0**  
This field based course affords students in the physical education teacher education program an opportunity to apply theoretical knowledge in a practical situation in schools or agencies in the area of coaching, individualized fitness or adapted physical education.

PEMJ 303  
**COACHING BASKETBALL 2.0**  
The course is designed to provide students with an introduction to the art of coaching the game of basketball. Students have an opportunity to explore various contemporary styles and aspects of team play. Teaching, beginning with individual player development and progressing to team development, will be covered.

PEMJ 308  
**COACHING FOOTBALL 2.0**  
Techniques and methods of coaching football with emphasis on team play; offensive and defensive methods for running, passing and kicking game. Complete organization of a football program is presented.

PEMJ 340  
**FITNESS AND THE AGING PROCESS 3.0**  
The anatomic, physiologic and social changes experienced by the older adult as he/she ages. The students will learn the bases for selection of appropriate activities and techniques for communicating with this specialized population. Field experiences involving older adults in fitness settings will be included in this course.  
*Prerequisites: PEMJ 220.*

PEMJ 351  
**ADAPTED PHYSICAL EDUCATION 3.0**  
This is a lecture and practicum course covering the introductory techniques for conducting a physical education program to meet the needs of the developmentally disabled. Each student is required to spend a minimum of 15 hours of laboratory experience in schools, agencies, and/or institutions.

PEMJ 353  
**PSYCHOLOGY OF SPORT 3.0**  
Psychology related to physical activity on emotional, attitudinal and personality aspects, motivation, cultural and sociological problems of athletes, spectator response and deportment.

PEMJ 357  
**TEACHING OF PHYSICAL EDUCATION 4.0**  
Methods of teaching and principles of learnings as they apply to growth, development and movement. Urban, inner city, suburban and rural situations and conditions related to learning facilities and equipment.  
*Prerequisites: Acceptance into Teacher Education.*

PEMJ 375  
**FOUNDATIONS AND PRACTICES IN CARDIOPULMONARY REHABILITATION 3.0**  
Knowledge and skills related to cardiopulmonary rehabilitation which is necessary for working with post-cardiac individuals in the post-hospital continuing exercise program. Students will be expected to demonstrate a high level of competence in all aspects of the course. Field work required.  
*Prerequisites: PEMJ 220.*

PEMJ 376  
**SEMINAR IN FITNESS PROGRAMMING 2.0**  
Specifically designed for the student in the adult fitness concentration to bring together a series of background topics into a seminar experience. The course will discuss practitioner roles, the establishment of criteria for the evaluation of fitness programs in a variety of settings, individual factors which influence participation adherence, and practical considerations which apply to fitness programming.

PEMJ 380  
**INTERNSHIP IN PHYSICAL EDUCATION 8.0**  
The internship offers the student an opportunity to work as a trainee with professionals in organizations and/or agencies.  
*Prerequisite: Departmental approval.*

PEMJ 381  
**COOPERATIVE EDUCATION IN PHYSICAL EDUCATION 4.0-8.0**  
Integrates academic study with supervised employment outside the formal classroom environment. The co-op term is a semester off-campus during which a student, while supervised by a department faculty coordinator is responsible for completing the terms of a predetermined learning contract. Available to students not completing the student-teacher sequence only.  
*Prerequisites: Departmental approval.*

PEMJ 399  
**INDEPENDENT STUDY IN PHYSICAL EDUCATION 1.0-6.0**  
Provides an opportunity to pursue independent study in one of the specialized areas of physical education.  
*Prerequisite: Departmental approval.*

PEMJ 444  
**SEMINAR IN PHYSICAL EDUCATION 1.0**  
This course permits physical education student teachers an opportunity to discuss and evaluate the experiences they have in a physical education setting while student teaching.  
*Prerequisite: CURR 410. Corequisite: CURR 411.*

PEMJ 457  
**TEACHING OF PHYSICAL EDUCATION 4.0**  
This course provides an overview of methods of teaching Physical Education. Topics include curriculum content, effective teaching strategies, styles of teaching, preparation of unit and lesson plans, classroom management techniques, use of computers in instruction, describing and analyzing student and teacher behaviors, and strategies to improve student teaching.  
*Prerequisites: PEMJ 235, acceptance into Teacher Education program, and completion of two activity modules.*

PEMJ 492  
**SELECTED TOPICS IN PHYSICAL EDUCATION 1.0-3.0**  
A theoretical and practical in-depth study in a current aspect of physical education. Topics will be determined prior to course offering and publicized.
Commercial Recreation and Tourism Courses

PERL 123
LEADERSHIP AND BUSINESS ETHICS IN THE TOURISM AND HOSPITALITY INDUSTRY 3.0
Course discusses the characteristics of leaders in the business environment including types of leadership. It explores the many tough ethical questions faced by managers such as ethical strategies that build profits, productivity, and long-term profits.

PERL 124
INTRODUCTION TO RECREATION, TOURISM, HOSPITALITY AND LEISURE SERVICES 3.0
An orientation course to the broad spectrum of services that are provided to society by recreation, tourism, hospitality and leisure services practitioners. Professional awareness and career opportunities are examined. Meets the University Writing Requirement for RPCM majors.

PERL 208
LEISURE AND RECREATION IN SOCIETY 3.0
Analysis and interpretation of the concepts of leisure, its role in individual, community and national lifestyles, its social and economic significance. The role of recreation programs and services in meeting current and future needs of society. For non-recreation and leisure studies majors only. Meets the 1983 General Education Requirement (GER)—Contemporary Issues.

PERL 225
PROGRAM PLANNING IN RECREATION AND LEISURE 3.0
Theory, principles and practices of systematic program planning. Field observation and participation is required.

PERL 228
RECREATION AND HOSPITALITY FOR SPECIAL POPULATIONS 3.0
Adaptation of recreation and leisure services for persons with special needs and limitations, role of institutions and community agencies, specialized leadership techniques, modification requirements for areas, facilities equipment, and supplies. Prerequisite: PERL 225.

PERL 235
TOURISM AND HOSPITALITY MARKETING 3.0
To provide the student with a working knowledge of the marketing process in the hospitality and tourism industry and the interrelationships between marketing environment, marketing decisions, marketing research, consumer behavior, product strategy, channels of distribution, promotional activity and pricing decisions.

PERL 271
CLINICAL EXPERIENCES IN THERAPEUTIC RECREATION 1.0
Individualized student placements in clinical settings provide opportunity to gain firsthand knowledge of therapeutic recreation and prescriptive programming services. May be repeated for credit to a total of 3 semester hours.

PERL 285
FIELD EXPERIENCE IN RECREATION AND PARKS 2.0-4.0
Supervised on-site laboratory experience in an approved recreation or leisure service area. Seminar meetings and individual conferences required. Prerequisite: Department approval.

PERL 311
MEETING, EVENT, AND CONFERENCE MANAGEMENT 3.0
An introductory course concerning the creating and managing of meetings and events in the leisure, events, and tourism industries. The importance of mission statements, goals, organizational skills, and program evaluation will be stressed. Class project required.

PERL 312
BUDGET AND FINANCE IN RECREATION AND TOURISM 3.0
Study of the various sources and methods of financing, including exploration of the philosophy and mechanics of the budgetary process in recreation and park systems. Prerequisite: PERL 225.

PERL 322
HISTORY AND PHILOSOPHY OF LEISURE, PLAY AND RECREATION 3.0
A study and analysis of the philosophical concepts concerning leisure, play and recreation, including the historical milieu that supports past theories, current thoughts and practices, and the philosophical directions for the future of recreation and leisure services. Meets the University Writing Requirement for RPCM majors.

PERL 334
RESEARCH METHODS IN LEISURE STUDIES 4.0
An introduction to the various techniques and methods used in research, the appropriate application of research methods, statistical methodology and other analytical tools for investigating problems in recreation and park professions. Prerequisites: PERL 124 and PERL 225.

PERL 340
INTRODUCTION TO COMMERCIAL RECREATION AND TOURISM 3.0
Analysis of the commercial recreation and tourism industries. Includes a study of participant profiles, types of commercial and resort enterprises, national tourism studies. Employment opportunities trends and issues. Field visits required. Prerequisite: PERL 124.

PERL 341
INTRODUCTION TO THE HOSPITALITY INDUSTRY 3.0
The scope and nature of the industry. An orientation to career opportunities and education for the hotel and hospitality industry. Prerequisite: PERL 124.

PERL 342
DELIVERY OF RECREATION AND TOURISM SERVICES 3.0
Methods and procedures for organizing and implementing commercial recreation and tourism enterprises. Includes an in-depth analysis of delivery systems, economic and marketing trends and promotion. A class research project is part of the course requirements. Field visits required. Prerequisite: PERL 340.

PERL 346
TOURISM AND RECREATION PLANNING, DEVELOPMENT AND ANALYSIS 3.0
Skills and techniques used in the planning, development, and analysis of tourism and commercial recreation facilities. Students will be required to complete a major research project. Prerequisites: PERL 340 or PERL 360 and PERL 334.

PERL 349
SEASONAL SPORT RESORT MANAGEMENT 3.0
A topical course in resort and selected sports management activities. Contents include management and marketing of lodging, retailing, rental, recreational programs, and other year round resort services. Additionally, the selection and operation of seasonal commercialized sports will be included. The course is only offered off-campus at a selected field site.

PERL 350
FACILITIES DESIGN AND MAINTENANCE IN THE TOURISM AND HOSPITALITY INDUSTRY 3.0
This course examines the design, construction, and maintenance of hospitality and tourism facilities. Emphasis is placed on the importance of the master plan, construction choices, energy conservation and effective and efficient design principles.

PERL 370
INTRODUCTION TO THERAPEUTIC RECREATION 3.0
An introduction to therapeutic recreation as a profession and service in clinical and community settings. The course includes an analysis of current issues and trends in the field, employment opportunities, and the concept of professionalism.

PERL 372
RECREATION AND REHABILITATION SERVICES 3.0
Study of roles and interrelationships of professional personnel in the rehabilitation services in medical, correctional, and community settings. The team approach to rehabilitation services will be emphasized. Field visits required. Prerequisite: PERL 228.

PERL 377
PROGRAMMING AND SUPERVISION IN THERAPEUTIC RECREATION 3.0
This course includes assessment, planning and implementation of appropriate services and department programs and evaluation strategies. The course addresses basic program and personnel supervision of therapeutic recreation. Prerequisites: BIOL 241 and PERL 228.

PERL 381
COOPERATIVE EDUCATION IN RECREATION AND PARKS 4.0-8.0
Integration of academic study with supervised employment outside the formal classroom environment. The cooperative education experience is supervised by a faculty member and an agency/organization supervisor. Prerequisites: Departmental approval.
PERL 390
INDEPENDENT STUDY IN RECREATION, PARKS AND LEISURE 1.0-3.0
Independent study in area of student need and/or interest pertinent to recreation, parks and leisure. Interested students must present detailed written proposal to the department chairperson for approval and determination of credit allocation. Sophomore, junior, senior standing.
Prerequisite: Departmental approval.

PERL 430
MANAGEMENT OF RECREATION AND LEISURE SERVICES 4.0
Managerial techniques and methods pertaining to the delivery of recreation and leisure services. Topics include leadership and problem solving skills, organizational structure, personnel management and legal issues.
Prerequisites: PERL 225 and Recreation Professions majors only.

PERL 437
SENIOR SEMINAR 2.0
Examination and analysis of student preparation for field work and entry into the recreation and park profession. Formal application and placement of field work students.
Prerequisites: Recreation Professions majors only.

PERL 489
INTERNSHIP 12.0
Directed full-time professional supervisory experiences in an approved recreation, parks or leisure delivery system. Emphasis on individual development in program planning, conduct and evaluation, budget and finance, legal aspects, community and public relations. For Recreation and Leisure Studies majors only.
Prerequisites: Department approval.
HISTORY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Leslie Wilson

The study of history, an important part of a broad liberal education, helps to prepare students for careers in teaching, law, government service, politics, journalism and creative writing, library science, business research, and positions with local, state or national archives, museums and historical societies or restoration agencies. The department offers specialized study mainly in American, European and Asian history. History majors may adapt their programs to meet certification requirements for teaching social studies in New Jersey secondary schools. A minor in history is also offered.

History Major

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 100</td>
<td>The Study of History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 117</td>
<td>History of the United States to 1876</td>
<td>3</td>
</tr>
<tr>
<td>HIST 118</td>
<td>History of the United States since 1876</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>European History (Select one sequence)</td>
<td>6</td>
</tr>
<tr>
<td>HIST 103</td>
<td>Foundations of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 105</td>
<td>Emergence of European Civilization, 1500-1914</td>
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</tr>
<tr>
<td>HIST 106</td>
<td>Contemporary Europe, 1914 to the Present</td>
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</tr>
</tbody>
</table>

Non-Western/Latin American History .....................................................................6

One course from TWO of the following areas

Asia: China, India, Japan, Islamic
Africa
Latin America

HIST 400 Senior Seminar in History .....................................................................3

Electives

Select four history courses at the 200-400 level............................................12

HIST 204 The Second World War ..........................................................................3
HIST 212 Social History of the United States ..................................................3
HIST 213 Economic History of the United States ..............................................3
HIST 214 Diplomatic History of the United States ............................................3
HIST 215 Women in American History ..................................................................3
HIST 217 History of Black Americans ..................................................................3
HIST 218 Political History of the United States ................................................3
HIST 219 Sport in History ..................................................................................3
HIST 221 Europe's Conquest of the Americas, 1415-1763                          | 3
HIST 222 Economic History of Europe ..................................................................3
HIST 223 Communist Revolution in China ................................................................3
HIST 225 The Poles, Czechs, Slovaks and Hungarians since 1815 ......................3
HIST 281 Greek Civilization ................................................................................3
HIST 282 Roman Civilization ................................................................................3
HIST 309 Feminist Ideas in Western Thought....................................................3
HIST 310 Immigrants in American History.........................................................3
HIST 312 Historical Geography of the United States ........................................3
HIST 313 Biography in American History ..........................................................3
HIST 315 War in History ....................................................................................3
HIST 320 American Urban History since 1880 ....................................................3
HIST 321 History of the American Worker since 1877 .......................................3
HIST 322 Medieval European Civilization 450-1350 ..........................................3
HIST 323 History of Russia to 1917 ....................................................................3
HIST 324 Russia Since 1917 ..............................................................................3
HIST 326 Modern German History .......................................................................3
HIST 327 History of France since 1789 ................................................................3
HIST 328 Conflict in Modern Ireland ................................................................3
HIST 329 History of England to 1714 ................................................................3
HIST 330 Chinese Social History Through Literature .........................................3
HIST 331 History of England 1714-1914 ...............................................................3
HIST 332 History of Brazil ..................................................................................3
HIST 334 Women in the Muslim World: A History of Representations ..................3
HIST 406 History of American Business ................................................................3
HIST 408 Independent Study European History ................................................3
HIST 409 Independent Study Non-Western History ............................................3
HIST 410 Independent Study in American history .............................................3
HIST 411 Intellectual History of the United States ..........................................3
HIST 415 European Social History .......................................................................3
HIST 416 Church and State in Latin America .....................................................3
HIST 419 Age of Renaissance 1530-1517 .............................................................3
HIST 426 The Nazi Third Reich ..........................................................................3
HIST 427 The Holocaust, 1939-1945 ................................................................3
HIST 430 Revolutions in Latin American History ..............................................3
HIST 431 Development of Indian Character and Culture ....................................3
HIST 432 Development of Japanese Character and Culture ................................3
HIST 433 American Colonial History 1607-1763 ...............................................3
HIST 434 American Revolution and Early Republic 1763-1828 .........................3
HIST 435 The Union in Crisis, 1820-1877 .........................................................3
HIST 436 America in the Gilded Age ..................................................................3
HIST 437 American Society in the 20th Century ..............................................3
HIST 438 America in the Sixties: The Crisis of Consensus Liberalism ..............3
HIST 443 Internship in History .........................................................................3

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

History Minor

Required Courses: (18 credits)

<table>
<thead>
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<tr>
<td>HIST 118</td>
<td>History of the United States since 1876</td>
<td>3</td>
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</tbody>
</table>

Concentration in American, European or Non-Western History (Same area as selected for The Study of History) ..........................................................9

History electives (Not in the area of the concentration) ..................................6

Courses of Instruction

HIST 100

THE STUDY OF HISTORY 3.0

The course is designed to introduce students to the nature of history as a scholarly intellectual pursuit. It is built around student activities dealing with the materials and typical research procedures used by historians and the challenges of criticizing and writing history at the beginner’s level. Meets the University Writing Requirement for HIED, HIST majors.

HIST 103

FOUNDATIONS OF WESTERN CIVILIZATION 3.0


HIST 105

EMERGENCE OF EUROPEAN CIVILIZATION, 1500-1914 3.0

The emergence of Europe as a distinctive world civilization. The development of ideas, institutions and technologies from medieval times to World War I. Meets Gen Ed 2002–Social Science, American or European History. Meets the 1983 General Education Requirement (GER)–Social Science, American or European History.

HIST 106

CONTEMPORARY EUROPE, 1914 TO THE PRESENT 3.0

This is an introductory survey course in Japanese history from the Meiji (1868-1912) through the Showa (1925-present). While it would be useful to study premodern Japan before taking this course, modern Japan does stand on its own. A review of traditional Japan will be followed by study of the dynamic interaction of Japan and the West during the 19th Century. Japan's expansionism, World War II and the postwar period will be important topics. Cultural, military, economic political, and social developments will be discussed in historical settings. Students will be encouraged to appreciate the unique dynamics of Japan's development as a modern nation state and to explore the likely progress of Japan into the 21st Century.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIST 219</td>
<td>SPORT IN HISTORY</td>
<td>3.0</td>
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<tr>
<td></td>
<td>This course takes a global approach to the history of</td>
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<tr>
<td></td>
<td>sport, but focuses on the role of sport in American</td>
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<td></td>
<td>history. It examines sport in early world cultures,</td>
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<td></td>
<td>the development of sport as a mass spectator</td>
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<td>phenomenon in modern times, and the social</td>
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<td></td>
<td>significance of sport in the contemporary world.</td>
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<tr>
<td>HIST 222</td>
<td>ECONOMIC HISTORY OF EUROPE</td>
<td>3.0</td>
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<tr>
<td></td>
<td>European economic development from the Middle Ages to</td>
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<td></td>
<td>the present. Emphasis on the first industrial</td>
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<tr>
<td></td>
<td>revolution in Britain; comparing 19th century</td>
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<tr>
<td></td>
<td>economic growth in Britain, France, Germany and Russia.</td>
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<td>Cross listed with Economics and Finance, ECON 222.</td>
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<tr>
<td>HIST 223</td>
<td>COMMUNIST REVOLUTION IN CHINA</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Ideological and historical significance studied</td>
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<td>against the background of domestic and international</td>
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<td></td>
<td>events, personalities and ideologies. Meets the</td>
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<td>1983 General Education Requirement (GER)–Social</td>
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<tr>
<td></td>
<td>Science, Non-Western Cultural Perspectives.</td>
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<tr>
<td>HIST 281</td>
<td>GREEK CIVILIZATION</td>
<td>3.0</td>
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<tr>
<td></td>
<td>The political, social, economic, and cultural</td>
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<td></td>
<td>history of the Greek world from the Bronze Age to</td>
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<td></td>
<td>the Roman Conquest as seen through literary,</td>
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<td></td>
<td>documentary, and archaeological sources. Cross listed</td>
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<td>with Classics and General Humanities, GNHU 281.</td>
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<td>Meets Gen Ed 2002–Social Science, American or</td>
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<td>European History. Meets the 1983 General Education</td>
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<td>Requirement (GER)–Social Science American or</td>
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<td>European History.</td>
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<td>HIST 282</td>
<td>ROMAN CIVILIZATION</td>
<td>3.0</td>
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<td></td>
<td>The political, social, economic, and cultural</td>
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<td>history of the Roman world from the Regal Period</td>
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<td>to Justinian as seen through literary, documentary,</td>
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<td>and archaeological sources. Cross listed with</td>
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<td>Classics and General Humanities, GNHU 282. Meets Gen</td>
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<td>Ed 2002–Social Science, American or European History.</td>
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<td>Meets the 1983 General Education Requirement (GER)–</td>
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<td>Social Science American or European History.</td>
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<tr>
<td>HIST 309</td>
<td>FEMINIST IDEAS IN WESTERN THOUGHT</td>
<td>3.0</td>
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<tr>
<td></td>
<td>History of feminist ideas and theories about</td>
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<td></td>
<td>women and womanhood. Students examine important</td>
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<td>theoretical literature in Europe and America from</td>
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<td>18th century to present. Original texts of</td>
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<tr>
<td></td>
<td>Wollstonecroft, Fuller, Mill, and Freud will be</td>
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<td></td>
<td>considered against their socio-historic milieu.</td>
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<td>HIST 310</td>
<td>IMMIGRANT IN AMERICAN HISTORY</td>
<td>3.0</td>
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<tr>
<td></td>
<td>The processes by which the immigrant was</td>
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<td>incorporated into American society. Includes the</td>
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<td></td>
<td>cultural backgrounds from which the different groups</td>
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<td></td>
<td>came; the reasons for emigration; the nature of</td>
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<td>the communities they created once they reached the</td>
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<td>United States; their religious and social institutions;</td>
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<td>the problems of maintaining ethnic culture with the</td>
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<td>pressure to Americanize.</td>
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<tr>
<td>HIST 312</td>
<td>HISTORICAL GEOGRAPHY OF THE UNITED STATES</td>
<td>3.0</td>
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<tr>
<td></td>
<td>The slow pace of settlement of the eastern</td>
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<td>seaboard and the development of distinctive culture</td>
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<td>hearths prior to 1800; the rapid settlement and</td>
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<td>diffusion of culture traits in the area beyond the</td>
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<td>Appalachians since 1809. Cross listed with</td>
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<td></td>
<td>Earth and Environmental Studies, EUGS 312.</td>
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<tr>
<td>HIST 313</td>
<td>BIOGRAPHY IN AMERICAN HISTORY</td>
<td>3.0</td>
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<tr>
<td></td>
<td>The significant biographical materials available</td>
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<tr>
<td></td>
<td>in the study of American history: the problems and</td>
<td></td>
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<td></td>
<td>uses of biography.</td>
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<td>HIST 315</td>
<td>WAR IN HISTORY</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Examines selected wars in the history of the world in</td>
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<td>an attempt to learn about causes and consequences of</td>
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<td></td>
<td>war. Considers attempts to prevent war in the past,</td>
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<td>and proposed methods for preventing war in the</td>
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<td></td>
<td>future.</td>
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<tr>
<td>HIST 320</td>
<td>AMERICAN URBAN HISTORY SINCE 1880</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Transformation of the 19th century industrial city</td>
<td></td>
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<td>into the 20th century metropolis; the emergence of</td>
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<tr>
<td></td>
<td>the New York metropolitan region.</td>
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<td>HIST 322</td>
<td>MEDIEVAL EUROPEAN CIVILIZATION 450-1350</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Origins, development, and significance of a</td>
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<td>civilization whose political, social and</td>
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<td>cultural foundations had a spiritual basis and</td>
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<tr>
<td>HIST 323</td>
<td>HISTORY OF RUSSIA TO 1917</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Factors shaping the Russian people: Byzantium and</td>
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<td>Greek Orthodox faith, Tartar state organization, the</td>
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<td>Mir, Westernization from Peter to Lenin, intellectual</td>
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<td>and radical movements.</td>
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<td>HIST 324</td>
<td>RUSSIA SINCE 1917</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Political, social, economic and intellectual</td>
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<td>developments in the Soviet Union; the relationship</td>
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<td>of ideology and national goals.</td>
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<td>HIST 326</td>
<td>MODERN GERMAN HISTORY</td>
<td>3.0</td>
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<tr>
<td></td>
<td>German society, culture and politics from 1789 to</td>
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<td>the present. The formation of a unified state in the</td>
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<td>nineteenth century. The effects of World War I and</td>
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<td>of National Socialism. The division of Germany after</td>
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<td>World War II and the reunification of the country in</td>
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<td>HIST 328</td>
<td>CONFLICT IN MODERN IRELAND</td>
<td>3.0</td>
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<tr>
<td></td>
<td>A history of Irish nationalism with emphasis on the</td>
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<td>period from 1782 to the present.</td>
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<td>HIST 329</td>
<td>HISTORY OF ENGLAND TO 1714</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Emphasis on political and constitutional history, the</td>
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<td>formation of basic institutions of law and government</td>
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<td>and related economic, social and cultural factors.</td>
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<td>HIST 330</td>
<td>CHINESE SOCIAL HISTORY THROUGH LITERATURE</td>
<td>3.0</td>
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<td>Masterpieces of the Chinese literary tradition from</td>
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<td>earliest times to the 20th century. Literary genre</td>
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<td>in historical perspective and as expression of social</td>
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<td></td>
<td>and cultural values.</td>
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<tr>
<td>HIST 331</td>
<td>HISTORY OF ENGLAND 1714-1914</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Political, social and economic history from the</td>
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<td>Hanoverian succession to the 20th century: Industrial</td>
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<td>Revolution, changing balance of the Constitution,</td>
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<td>British Imperialism, the Irish question.</td>
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<td>HIST 332</td>
<td>SELECTED TOPICS IN ANCIENT HISTORY (GREECE, ROME,</td>
<td>3.0</td>
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<td></td>
<td>WESTERN ASIA, NORTH AFRICA, EUROPE)</td>
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<td>Courses offered under this selected topics rubric</td>
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<td></td>
<td>examine specific periods and issue concerning</td>
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<td>Mediterranean, Western Asian, and European political,</td>
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<td>cultural, social and economic history from the</td>
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<td></td>
<td>Bronze Age to the late Antique. May be repeated</td>
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<td>twice for a total of nine credits. Cross listed with</td>
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<td></td>
<td>Classics and General Humanities, GNHU 332.</td>
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<td>HIST 333</td>
<td>HISTORY OF BRAZIL</td>
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<tr>
<td></td>
<td>Traces the historical development from the pre-</td>
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<td>historical Indian cultures to the 1970's; covers the</td>
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<td>social, cultural, political, economic and religious</td>
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<td></td>
<td>aspects of the largest Latin-American nation.</td>
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<td>HIST 334</td>
<td>WOMEN IN THE MUSLIM WORLD: A HISTORY OF</td>
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<td></td>
<td>REPRESENTATIONS</td>
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<td></td>
<td>A survey of writings by and about Muslim women</td>
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<td>examined historiographically. We examine conventional</td>
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<td>wisdom about Muslim women through the ages, and how</td>
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<td>this &quot;wisdom&quot; was constructed: Who wrote about Muslim</td>
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<td>women? When? How? What purposes have these writings</td>
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<td></td>
<td>served at different times and places since the</td>
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<td></td>
<td>inception of Islam and during the course of its 1,500</td>
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<td>year history.</td>
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<td>HIST 400</td>
<td>SENIOR SEMINAR IN HISTORY</td>
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<tr>
<td></td>
<td>Directed research and preparation of seminar reports</td>
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<td>and written paper on special topics in the main</td>
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<td>fields of history. Required for senior history majors.</td>
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<td>Prerequisite: HIST 100.</td>
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</table>
HIST 408
INDEPENDENT STUDY EUROPEAN HISTORY 3.0
To provide opportunity for students, mainly history majors, to do independent work in the field of European history.

HIST 409
INDEPENDENT STUDY NON-WESTERN HISTORY 3.0
To provide opportunity for students, mainly in history or transcultural studies, to do independent work in the field of non-Western history.

HIST 410
INDEPENDENT STUDY IN AMERICAN HISTORY 3.0
To provide an opportunity to do independent work in the field.

HIST 411
INTELLECTUAL HISTORY OF THE UNITED STATES 3.0
Development and contributions of the thought of individuals and groups, dominant and minority, and their effect on the American mind, traditions and practices.

HIST 413
CHURCH AND STATE IN LATIN AMERICA 3.0
The Roman Catholic Church as the major spiritual institution as well as a cultural, moral, political and economic force in Latin America.

HIST 416
AGE OF RENAISSANCE, 1350-1517 3.0
Political, economic, social and broad cultural developments in Italy and Western Europe during 1350-1517.

HIST 417
THE NAZI THIRD REICH 3.0
Major economic, social, political and intellectual developments in 20th century Germany; demise of Weimar Republic and ascension of Nazi Third Reich.

HIST 418
THE HILOCAUST, 1939-1945 3.0
The history of the Holocaust and an overview of its representations in the academic historiography as well as in literary and autobiographical texts.

HIST 420
REVOLUTIONS IN LATIN AMERICAN HISTORY 3.0
Examines and compares the causes, course and consequences of three major social revolutions in Latin America: Mexico (1910), Bolivia (1952), Cuba (1959).

HIST 421
DEVELOPMENT OF INDIAN CHARACTER AND CULTURE 3.0
The historical conditioning of Indian behavior. Culture change in the perspective of colonialism and modernization; contributions of religion to social and political values and modern literature. Cross listed with Anthropology, ANTH 431. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives.

HIST 422
DEVELOPMENT OF JAPANESE CHARACTER AND CULTURE 3.0

HIST 423
AMERICAN COLONIAL HISTORY, 1607-1763 3.0
Developments within the English colonies, interactions between England and the colonists, growth of a distinctive American society.

HIST 424
AMERICAN REVOLUTION AND EARLY REPUBLIC, 1763-1828 3.0
Analysis of events leading to the war for independence; political, economic and foreign problems of the new nation; the growth of nationalism.

HIST 425
THE UNION IN CRISIS, 1820-1877 3.0
Significant events and developments of the period: Jacksonian democracy, westward expansion and sectionalism, the Civil War and Reconstruction.
HUMAN ECOLOGY

COLLEGE OF EDUCATION AND HUMAN SERVICES
Chairperson: Elaine Flint

Human Ecology is concerned with the study of individuals and families, their environments, needs, problems and futures. The department offers eleven concentrations which synthesize, interrelate, and integrate knowledge from other disciplines toward understanding and finding solutions to concerns of individuals and families.

A Bachelor of Science degree in Human Ecology is offered with concentrations in Nutrition and Food Science-General, Nutrition and Food Science-Dietetics, and Food Management; the bachelor of Arts degree in Human Ecology is offered in Consumer Affairs, Family and Child Studies—Child Life Specialist, Family and Child Studies—Early and Middle Childhood, Family and Child Studies—Early Childhood, Family and Child Studies—Family Services, Family and Child Studies—Gerontology, Fashion Studies, and Home Economics Education. Students may prepare to teach, work with businesses, agencies, government programs, other institutions and/or pursue graduate study. Many courses are open as electives for those majoring in other fields of study.

Montclair State’s Human Ecology unit is accredited by the Council for Professional Development of the American Association of Family and Consumer Sciences. The didactic program in dietetics is approved by the American Dietetics Association.

Human Ecology Major

Required Courses (All Concentrations) .......................... 6
HEMG 270 Individual Management: Theories and Strategies .......... 3
HECO 304 Introduction to Research ...................................... 3

Concentrations Within the Major

Consumer Affairs Concentration

Required Consumer Affairs Core ................................. 32
HENU 182 Nutrition ................................................................. 3
HEPM 248 Individual and Family Development Over the Life Span .... 3
HEMG 231 Family in the Economic System ............................ 3
HEMG 331 Money Management ............................................. 3
HEMG 335 Consumers in the Market ..................................... 3
HEMG 435 Consumer Action ................................................. 3
HEFM 445 The Inner City Family ............................................. 3
HECO 409 Internship ............................................................. 8
OR
COED 401 Cooperative Education Experience I .................... 8
(Or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement.) Students in the Paralegal Studies minor may substitute LSPR 498 as partial fulfillment with permission of advisor. All students must meet the 8 credit requirement.

Consumer Affairs Emphasis .............................................. 18-25
Student are required to complete one of the following areas. Students who are completing minor programs must declare minor and seek advisement from the department that houses the minor before starting the minor sequence.

Paralegal Studies Minor .................................................... 24-25
Pre-Law Studies Minor ...................................................... 24
Health Studies Minor ......................................................... 18
Consumer Emphasis .......................................................... 18
Food and Nutrition Emphasis ............................................. 18

Consumer Affairs Collateral Courses .............................. 24
ECON 101 Principles of Economics: Macro .......................... 3
ECON 102 Principles of Economics: Micro .......................... 3
MGMT 231 Management Processes .................................... 3
MKTG 240 Introduction to Marketing ................................. 3
PHIL 210 Ethics ................................................................. 3
PSYC 101 General Psychology I: Growth and Development .... 3

Family and Child Studies-Concentration (70 semester hours)

Required Family and Child Studies Core .......................... 27
HEFM 141 Interpersonal Relations ......................................... 3
HEFM 214 Child Development I ............................................. 3
HEFM 248 Individual and Family Development Over the Life Span ... 3
HEFM 314 Child Development II .......................................... 3
HEFM 315 Field Experiences in Family and Child Services .......... 3
HEMG 331 Money Management ......................................... 3
HEFM 445 The Inner City Family ......................................... 3
HEFM 448 Family Counseling ............................................. 3
PSYC 101 General Psychology I: Growth and Development .... 3

Required Courses .............................................................. 37
HEFM 215 Infant Development .......................... OR
PSYC 320 Developmental Psychology I .............................. 3
HEFM 320 Parenting Skills and Resources .......................... OR
HEFM 418 Strategies for Working with Parents .................... 3
ECEL 319 Language and Literature for Young Children .......... 3
ECEL 416 Arts and Creative Expression in Early Childhood ...... 3
HLTH 105 Medical Terminology ........................................ 3
PSYC 235 Psychology of Exceptional Children and Youth .... 3
SOCI 211 Sociology of Health and Illness .......................... OR
PSYC 302 Health Psychology .............................................. 3
RELG 218 Death, Dying and After Life .............................. 3
COED 401 Cooperative Education I .................................... 4
(Or a combination of COED 401 and COED 402 or HECO 409 Internship to reach an eight (8) credit limit)

Select 1 course from the following:
COUN 331 Group Dynamics .................................................. 3
COUN 413 Introduction to Neurolinguistic Programming and Ericksonian Techniques 3
SOCI 337 Methods and Techniques in the Helping Professions .... 3
PSYC 366 Health Psychology: Applications to the Community .... 3
PSYC 402 Systems of Psychotherapy .................................... 3

Select 2 courses from the following:
BIOL 240 Mammalian Anatomy and Physiology I ............... 3
BIOL 241 Mammalian Anatomy and Physiology II ............... 3
HLTH 307 The Study of Human Diseases .......................... 3
HLTH 430 Health Counseling ............................................. 3
HLTH 455 Core Concepts in the Delivery of Health Care ....... 3
HLTH 460 Systems of Health Services Delivery .................... 3
PSYC 305 Physiological Psychology .................................... 3

Family and Child Studies—Early and Middle Childhood Concentration (for elementary K-8 Certification) (70-73 semester hours)

Required Family and Child Studies Core ................................ 27
HEFM 141 Interpersonal Relations ......................................... 3
HEFM 214 Child Development I ............................................. 3
HEFM 248 Individual and Family Development Over the Life Span ... 3
HEFM 314 Child Development II .......................................... 3
HEFM 315 Field Experiences in Family and Child Services .......... 3
HEMG 331 Money Management ......................................... 3
HEFM 445 The Inner City Family ......................................... 3
HEFM 448 Family Counseling ............................................. 3
PSYC 101 General Psychology I: Growth and Development .... 3

Required Family and Child Studies-Early and Middle Childhood Core ........................................... 3
HEFM 418 Strategies for Working with Parents .................... 3

Elementary Teacher Education Sequence
(for K-8 Certification): ................................................. 34-37
CURR 200 Initial Field Experience .................................... 3
EDFD 220 Philosophical Orientation to Education ................. 3
ECEL 200 Perspectives on Early Childhood and Elementary Education in a Democracy .................. 3
### Early Childhood Teacher Education Sequence

<table>
<thead>
<tr>
<th>Required Family and Child Studies Core</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>HEFM 141 Interpersonal Relations</td>
<td>3</td>
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<tr>
<td>HEFM 214 Child Development I</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 248 Individual and Family Development Over the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 314 Child Development II</td>
<td>3</td>
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<tr>
<td>HEFM 315 Field Experiences in Family and Child Services</td>
<td>3</td>
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<tr>
<td>HEMG 331 Money Management</td>
<td>3</td>
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<tr>
<td>HEFM 445 The Inner City Family</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 448 Family Counseling</td>
<td>3</td>
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<tr>
<td>PSYC 101 General Psychology I: Growth and Development</td>
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#### Early Childhood Childhood Core

<table>
<thead>
<tr>
<th>Required Family and Child Studies- Early Childhood Core</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>HEFM 418 Strategies for Working with Parents</td>
<td>3</td>
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</table>

#### Early Childhood Teacher Education Sequence (for P-3 Certification)

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<tr>
<th>Required Family and Child Studies-Core</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>Curr 200 Initial Field Experience</td>
<td>1</td>
</tr>
<tr>
<td>ECEL 200 Perspectives on Early Childhood and Elementary Education in a Democracy</td>
<td>3</td>
</tr>
<tr>
<td>ECEL 319 Language and Literature for Young Children</td>
<td>1</td>
</tr>
<tr>
<td>READ 410 Children's Literature for a Multicultural Society</td>
<td>3</td>
</tr>
<tr>
<td>ECEL 416 Arts and Creative Expression in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>ECEL 417 Problem Solving in Science, Math, and Technology in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>EDFD 220 Philosophical Orientation to Education</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 235 Psychology of Exceptional Children and Youth</td>
<td>3</td>
</tr>
<tr>
<td>READ 400 Initial Inquiry into Literacy Development</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Clinical Experiences

<table>
<thead>
<tr>
<th>Clinical Experiences (the semester prior to student teaching)</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECEL 411 Clinical Experience I: Inclusive Early Childhood Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>ECEL 413 Seminar I: Inclusive Early Childhood Classrooms</td>
<td>1</td>
</tr>
<tr>
<td>ECEL 420 Building Programs and Community in Inclusive Early Childhood Classrooms</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Clinical Experiences/Professional Semester (student teaching semester)

<table>
<thead>
<tr>
<th>Clinical Experiences/Professional Semester (student teaching semester)</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECEL 415 Clinical Experience II: Inclusive Early Childhood Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>ECEL 419 Seminar II: Inclusive Early Childhood Classrooms</td>
<td>1</td>
</tr>
<tr>
<td>ECEL 435 Content Integration and Assessment in Inclusive Early Childhood Classrooms</td>
<td>3</td>
</tr>
</tbody>
</table>

### Family and Child Studies–Family Services Concentration (62 semester hours)

<table>
<thead>
<tr>
<th>Required Family and Child Studies Core</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEFM 141 Interpersonal Relations</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 214 Child Development I</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 248 Individual and Family Development Over the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 314 Child Development II</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 315 Field Experiences in Family and Child Services</td>
<td>3</td>
</tr>
<tr>
<td>HEMG 331 Money Management</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 445 The Inner City Family</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 448 Family Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101 General Psychology I: Growth and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Required Family Services Courses

<table>
<thead>
<tr>
<th>Required Family Services Courses</th>
<th>23</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEFM 418 Strategies for Working with Parents</td>
<td>3</td>
</tr>
<tr>
<td>HEFM 344 Challenge of Aging</td>
<td>3</td>
</tr>
<tr>
<td>COUN 331 Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 220 Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 210 Ethics</td>
<td>3</td>
</tr>
<tr>
<td>COED 401 Cooperative Education Experience I</td>
<td>3</td>
</tr>
<tr>
<td>COED 402 Cooperative Education Experience II</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Choose one of the following areas of emphasis

(A, B, or C):........................................................................6

#### A. Gerontology

Select two courses from the following:

| ANTH 350 Anthropology of Aging and the Aged                          | 3 |
| SOCI 219 Sociology of Aging                                          | 3 |
| HLTH 440 Health Aspects of Aging                                    | 3 |
| HLTH 445 Perspectives on Death and Dying                             | 3 |
| RELG 218 Death, Dying and After Life                                 | 3 |
| LSPR 322 Wills, Trusts, and Probate Law                              | 3 |
| PSYC 268 Psychological Aspects of Aging                              | 3 |

#### B. Contemporary Issues

Select 2 courses from the following:

| COUN 450 Introduction to Alcohol/Drug Counseling                      | 3 |
| COUN 454 Community Resources in Alcoholism and Substance Abuse Counseling | 3 |
| HLTH 213 Perspectives on Drugs                                        | 3 |
| HLTH 290 Human Sexuality                                             | 3 |
| PSYC 227 Psychological Aspects of Human Sexuality                     | 3 |
| LSPR 305 Immigration Law                                              | 3 |
| PHIL 204 Philosophical Issues in Biomedical Ethics                    | 3 |
| PSYC 235 Psychology of Exceptional Children and Youth                | 3 |
| PSYC 231 Psychology of Aggression                                    | 3 |
| SOCI 101 Criminology                                                 | 3 |
| SOCI 230 Sociology of Conflict and Violence                         | 3 |
| SOCI 211 Sociology of Health and Illness                             | 3 |
| SOCI 322 Juvenile Delinquency and Juvenile Justice                    | 3 |

#### C. Public Policy

Select 2 courses from the following:

| COUN 481 Legal Rights of Women                                      | 3 |
| LSLW 391 Women and the Law                                          | 3 |
| LSLW 315 The Mediation Process and Its Application                  | 3 |
| LSPR 330 Family Law                                                  | 3 |
| POLS 324 American Public Policy                                     | 3 |
| PSYC 224 Children's Rights and Child Advocacy                      | 3 |
| PSYC 430 Contemporary Issues in Child Advocacy                     | 3 |
Family and Child Studies - Gerontology Concentration (62 semester hours)

Required Family and Child Studies Core ............................................. 27
HEFM 141 Interpersonal Relations ......................................................3
HEFM 214 Child Development I ..........................................................3
HEFM 248 Individual and Family Development Over the Life Span ....3
HEFM 314 Child Development II .......................................................3
HEFM 315 Field Experiences in Family and Child Services ..............3
HEMG 331 Money Management .........................................................3
HEFM 445 The Inner City Family .......................................................3
HEFC 448 Family Counseling .............................................................3
PSYC 101 General Psychology I: Growth and Development ..........3

Gerontology Concentration (Interdisciplinary) .................. 29
HEFM 344 Challenge of Aging (Service-Learning section) ..........3
COED 401 Cooperative Education Experience I .........................3
Biol 243 Human Anatomy and Physiology ..................................3
Select one of the following:
PSYC 268 Psychological Aspects of Aging .........................3
PSYC 302 Health Psychology (Service-Learning section) .........3
Select one of the following:
HLTH 490 Health Aspects of Aging (Service-Learning section) ..3
PEM 340 Fitness and the Aging Process ........................................3
Select one of the following:
PHIL 210 Ethics .............................................................................3
PHIL 204 Philosophical Issues in Biomedical Ethics ..........3
Select one of the following:
HLTH 445 Perspectives on Death .................................................3
RELG 218 Death, Dying and After Life ..........................................3
Select 6 semester hours from the following:
ANTH 350 Anthropology of Aging and the Aged ............. (Service-Learning section) 3
ENID 398 Autobiography .................................................................3
LSPR 322 Wills, Trusts, and Probate Law ..................................3
MUTH 101 Introduction to Music Therapy ..................................3
PERL 271 Clinical Experience in Therapeutic Recreation .........3
SOC 219 Sociology of Aging (Service-Learning section) ......3

Fashion Studies Concentration (79 semester hours)

Required Courses ............................................................... 30
HETX 122 Clothing and Culture: A Multidisciplinary Study ......3
HETX 220 Textile and Apparel Industry .........................................3
HETX 126 Textiles I: Introduction ...........................................3
HETX 320 Historical Analysis of Costume ..................................3
HETX 325 The Marketing of Fashion ............................................3
HEMG 435 Consumer Action .......................................................3
HENU 192 Nutrition with Laboratory ...........................................4
HECO 409 Internship ..................................................................8
OR (with permission of advisor)
COED 401 Cooperative Education - Experience I .............8

Collateral Courses ................................................................. 43
—— Studio Art course (ARCE 200, ARDW 200, ARPA 200, ARPH 200, or ARSC 200) 3
ARHS 105 Art in Western Civilization: Ancient to Medieval ....3
OR
ARHS 106 Art in Western Civilization: Renaissance to Modern ....3
CHEM 100 Introductory Chemistry ...........................................4
CMPT 109 Introduction to Computer Applications ..................3
ECON 101 Principles of Economics: Macro .........................3
ECON 102 Principles of Economics: Micro .........................3
MATH 101 Statistics .................................................................3
MGMT 231 Management Processes ............................................3
MKTG 240 Introduction to Marketing ........................................3
Select 5 courses from the following (15 semester hours):
ANTH 100 Cultural Anthropology ..............................................3
ARFD 100 Design/Foundations of Visual Organization I, 2D ....3
ARDW 201 Life Drawing, Beginning I ........................................3
ARFD 260 Color Studies I ..........................................................3
ARFI 200 Fibers and Fabrics, Beginning I .................................3
ARFI 201 Textile Design, Introduction ......................................3
ARIL 320 Illustration, Intermediate ........................................3

SPCM 172 Principles of Human Communication ..................3
SPCM 201 Communication Theory .............................................3
SPCM 222 Principles of Public Relations ............................3
SPCM 239 Public Speaking .......................................................3
SPCM 322 Public Relations Writing ...........................................3
HECO 400 Senior Seminar: The Profession of Home Economics ..3
HEDN 265 Interior Design .......................................................3
HEFM 248 Individual and Family Development over the Life Span ..3
HEFX 120 Introduction to Apparel Design ..............................3
HEFX 398 Textiles II: Production and Performance ..............3
HEFX 426 Apparel Design: Flat Pattern ..................................3
MGMT 316 Human Resource Management ..........................3
MKTG 307 Retail Store Marketing and Management ............3
MKTG 309 Buying and Distribution Strategies ......................3
MKTG 344 Advertising Theory and Techniques ..................3
MKTG 346 Introduction to International Business .................3
MKTG 347 Export/Import Marketing .......................................3
MKTG 489 Internet Marketing ....................................................3
PHYS 443 Computer-Aided Drafting: An Introduction ........3
PSYC 101 General Psychology I: Growth and Development ....3
THTR 100 Introduction to the Theatrical Medium ...................3
THTR 370 Costume Construction I .........................................3
THTR 372 Costume Design I .....................................................3

Nutrition and Food Science-General Concentration

Required Nutrition and Food Science Core .................. 15
HENU 130 Introduction to Nutrition and Food Science Profession ..1
HENU 150 Food Composition and Scientific Preparation ..........3
HENU 153 Dynamics of Food and Society ............................3
HENU 182 Nutrition .................................................................3
HENU 282 Applied Nutrition in the Life Cycle .........................4
HENU 490 Nutrition and Food Sciences Professional Seminar ....1

Required Nutrition and Food Science - General Courses .......... 27
HEFD 252 Quantity Food Purchasing and Production Laboratory ..2
HEFD 253 Quantity Food Purchasing and Production ..........3
HENU 255 Meal Design and Management .............................3
HENU 357 Experimental Food Science ..................................3
HEED 412 Nutrition Education Techniques ..........................3
Choose 13 credits from the following:
— COED 401 Cooperative Education Experience I .............4
— 300 and 400 level Nutrition and Food Science (HENU) and Food
Management courses (HEFD)

Collateral Courses ................................................................. 23
Biol 254 Applied Microbiology .................................................3
CHEM 109 College Chemistry Laboratory I .................................1
CHEM 111 Elements of Chemistry I ...........................................3
CHEM 130 Fundamentals of Organic Chemistry ..................4
CMPT 109 Introduction to Computer Applications .................3
ECON 101 Principles of Economics: Macro .........................3
OR
ECON 102 Principles of Economics: Micro ..........................3
ENWR 210 News Reporting ....................................................3
MGMT 231 Management Processes ............................................3

Nutrition and Food Science-Dietetics Concentration*

Required Nutrition and Food Science Core ....... 15
HENU 130 Introduction to Nutrition and Food Science Profession ..1
HENU 150 Food Composition and Scientific Preparation ..........3
HENU 153 Dynamics of Food and Society ............................3
HENU 182 Nutrition .................................................................3
HENU 282 Applied Nutrition in the Life Cycle .........................4
HENU 490 Nutrition and Food Sciences Professional Seminar ....1

Required Nutrition and Food Science - Dietetics Courses .......... 28
HEFD 252 Quantity Food Purchasing and Production Laboratory ..2
HEFD 253 Quantity Food Purchasing and Production ..........3

Courses of Instruction

**Introduction to Research** 3.0
Provides awareness of the contributions of research to the advancement of human welfare. Developing skills for intelligent pursuit and consumption of research. Not open to freshmen. 
*Prerequisite: Sophomore standing.*

**Independent Study** 1.0-3.0
Advanced areas of Home Economics not offered in the regular curriculum. 
*Prerequisite: Departmental approval.*

**Senior Seminar: The Profession of Home Economics** 3.0
A capstone course which explores the integrative nature of the profession of Home Economics and investigates the roles, conflicts and decision-making perspectives for beginning professionals. 
*Prerequisites: HEMG 248 and HEMG 270 and HENU 182; senior standing; Human Ecology majors only.*

**Workshop in Home Economics** 1.0-3.0
Opportunity to study selected current problems in the field of home economics.

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**Food Management Concentration**

**Required Courses**

**Semester Hours**

HENU 130 Introduction to Nutrition and Food Science Profession 1.0-3.0

HENU 150 Food Composition and Scientific Preparation 3.0

HENU 153 Dynamics of Food and Society 3.0

HENU 182 Nutrition 3.0

HENU 282 Applied Nutrition in the Life Cycle 4.0

HENU 490 Nutrition and Food Sciences Professional Seminar 1.0

**Required Food Management Core**

**Semester Hours**

HEFD 240 Sanitation Management and Food Microbiology: Certification 1.0

HEFD 252 Laboratory Management and Food Microbiology 2.0

HEFD 253 Quantity Food Purchasing and Production 3.0

HEFD 254 Foodservice Equipment and Facilities Design 3.0

HEFD 352 Organization and Management of Foodservice Systems 3.0

HEFD 353 Specialized Food Production 3.0

HECO 409 Internship 8.0

OR

COED 401 Cooperative Education Experience I 8.0
(and/or a combination of COED 401 and COED 402 Cooperative Education Experience II to meet the 8 s.h. requirement)

Select 3 credits from the following courses:

HENU 255 Meal Design and Management 3.0

MKTG 341 Consumer Behavior 3.0

MKTG 307 Retail Store Marketing and Management 3.0

MGMT 316 Human Resource Management 3.0

**Collateral Courses**

**Semester Hours**

ACCT 201 Fundamentals of Accounting I 3.0

BIOL 110 The Biology of Human Life 4.0

BSLW 264 Legal, Ethical and Global Environment of Business 3.0

CHEM 107 College Chemistry I 4.0

CHEM 130 Fundamentals of Organic Chemistry 4.0

CMPT 109 Introduction to Computer Applications 3.0

ECON 101 Principles of Economics: Macro 3.0

MGMT 231 Management Processes 3.0

MKTG 240 Introduction to Marketing 3.0

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**Home Economics Education Concentration**

**Required Courses and Collateral**

**Semester Hours**

HETX 120 Introduction to Apparel Design and Industry 3.0

HETX 122 Clothing and Culture: A Multidisciplinary Study 3.0

HEFM 141 Interpersonal Relations 3.0

HENU 150 Food Composition and Scientific Preparation 3.0

HEDN 160 Equipment in the Home 3.0

HENU 182 Nutrition 3.0

HEFM 214 Child Development I 3.0

HEFM 248 Individual and Family Development Over the Life Span 3.0

HEFD 352 Organization and Management of Foodservice Systems 3.0

HEDN 260 Housing and Society 3.0

HEFX 298 Textiles I: Introduction 3.0

HECO 400 Senior Seminar: The Profession of Home Economics 3.0

HEMG 435 Consumer Action 3.0

HEFM 445 Inner City Family 3.0

HEGM 470 Family Management 3.0

HECO 401 Cooperative Education Experience I 8.0

HECO 304 Introduction to Research 3.0

**Nutrition and Food Science Minor**

**Required Courses**

**Semester Hours**

HENU 130 Introduction to Nutrition and Food Science Profession 1.0-3.0

HENU 150 Food Composition and Scientific Preparation 3.0

HENU 182 Nutrition 3.0

**Elective Courses**

Select 12 additional semester hours of HENU and HEFD courses or HEMG courses.

**At least 3 semester hours must be 300-400 level coursework.**

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**Consumer Affairs Minor**

**Required Courses**

**Semester Hours**

ECON 101 Principles of Economics: Macro 3.0

OR

ECON 102 Principles of Economics: Micro 3.0

HEMG 231 The Family in the Economic System 3.0

HEMG 331 Money Management 3.0

HEMG 335 Consumers in the Market 3.0

HEMG 435 Consumer Action 3.0

HECO 304 Introduction to Research 3.0

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*This didactic program in dietetics is approved by the American Dietetics Association. Careful advisement is recommended so that requirements of the American Dietetics Association might be met.*
HECO 409
INTERNSHIP 8.0 OR 12.0
Opportunity to work as an intern in a professional setting in business, a community agency or a service organization. Application available in the Human Ecology Department. This course is offered as Pass/Fail only.
Prerequisite: Senior standing; Human Ecology majors only.

HECO 491
DEPARTMENTAL SEMINAR IN STUDENT TEACHING 1.0
An opportunity for students who are engaged in student teaching in Home Economics and Early Childhood Education to share and discuss their ongoing experiences. Analysis of specific situations encountered will be undertaken. Individual problems will be explored. Emphasis will be on becoming a student of the teaching process, as well as on the performance of a student teacher.
Corequisite: Must be taken concurrently with CURR 411.

HEED 160
EQUIPMENT IN THE HOME 3.0
Principles and resources involved in the selection, use and care of equipment in the home.

HEED 265
INTERIOR DESIGN 3.0
Selection, organization and evaluation of furnishing for the residential environment. Principles and elements of design studied in relation to interior residential space.

HEED 309
TEACHING OF HOME ECONOMICS 3.0
Curriculum development; materials and teaching strategies appropriate to home economics. To be taken semester prior to student teaching.
Corequisite: CURR 410 Intermediate Field Experience in Education

HEED 412
NUTRITION EDUCATION TECHNIQUES 3.0
Procedures and techniques for developing programs and teaching nutrition to a variety of target populations. Individual and group methods emphasize innovation. Field studies
Prerequisite: HENU 182 and HENU 282.

HEFD 240
SANITATION MANAGEMENT AND FOOD MICROBIOLOGY: CERTIFICATION 1.0
Food safety for effective food service management. Understanding of sanitation risk management, microbial food contaminants, and food safety regulations. Students will be entitled to take the "ServSafe Food Protection Manager Certification" examination.

HEFD 252
QUANTITY FOOD PURCHASING AND PRODUCTION LABORATORY 2.0
Laboratory experiences to support basic concepts of quantity food purchasing and production. Laboratory assignments off-campus in functioning foodservice facilities. To be taken concurrently with HEFD 253 Quantity Food Purchasing and Production.
Prerequisite: HEFD 253. Special fee.

HEFD 253
QUANTITY FOOD PURCHASING AND PRODUCTION 3.0
Determining needs, purchasing, storing, preparing and serving food in large volume.
Prerequisites: HENU 150 and HENU 182.

HEFD 254
FOODSERVICE EQUIPMENT AND FACILITIES DESIGN 3.0
Facilities layout and design. Selection of equipment based on design criteria. Purchasing standards and procedures.
Prerequisite: HEFD 252.

HEFD 352
ORGANIZATION AND MANAGEMENT OF FOODSERVICE SYSTEMS 3.0
Principles of management, organizational structure, policy and decision-making. The menu in management, budgeting and cost control, sanitation and safety, personnel policies and management.
Prerequisites: HEFD 252 and MGMT 231. Special fee.

HEFD 353
SPECIALIZED FOOD PRODUCTION 3.0
Opportunity to study selected problems in food production in various types of foodservice operation. Menu planning and production for special events; terminology and techniques utilized in specialized areas of food production. Laboratory experience is included.
Prerequisites: HEFD 254 and HEFD 352. Special fee.

HEFM 141
INTERPERSONAL RELATIONS 3.0
Relevant and up-to-date information about meaningful human relationships throughout the life cycle. Meets the 1983 General Education Requirement (GER)–Electives, Personal/Professional Issues.

HEFM 214
CHILD DEVELOPMENT I 3.0
A developmental approach to the young child from conception to age five. The major challenges confronting the developing child mastering the tasks of socialization and understanding the world. Supervised observation and participation with groups of young children for two and one half hours per week, each week of the semester. Field work required.
Prerequisite: PSYC 101.

HEFM 248
INDIVIDUAL AND FAMILY DEVELOPMENT OVER THE LIFESPAN 3.0
This introductory course provides an overview of human and family development over the life span in the United States and in other societies. The concepts of continuity and change in both individual and family relationships, status and roles will be explored.
Prerequisite: Human Ecology majors only, all concentrations.

HEFM 301
VOLUNTEER IN THE COMMUNITY 2.0-4.0
The role of the volunteer solving the socio-economic-civic-educational problems facing individuals and families; volunteer participation as an individual and in groups. Field work required.

HEFM 314
CHILD DEVELOPMENT II 3.0
This course focuses on the developmental approach to studying the school-aged child (6-18 years). Physical, emotional, intellectual, social and moral development throughout this age period are studied. The influences of family, peers and society on the developing individual are examined. Field experience is required.
Prerequisites: HEFM 214.

HEFM 315
FIELD EXPERIENCES IN FAMILY AND CHILD SERVICES 3.0
Planned supervised experience with selected agencies offering services for families and for children. 35 hours of field work required.
Prerequisites: HEFM 141 and HEM 248 and HEFM 314.

HEFM 320
PARENTING SKILLS AND RESOURCES 3.0
Opportunities for the student to develop effective parenting skills and the knowledge about human development needed for the application of these skills. Impact of parenting resources on both parents and non-parents. Local, state and national resources examined. Assigned activities with children. Meets the 1983 General Education Requirement (GER)–Electives, Personal/Professional Issues.

HEFM 344
CHALLENGE OF AGING 3.0
The change over the adult life span as it affects family interaction and resources in various sub-cultures. Implications for social policy and institutions relative to an increasing aging population. Field participation with agencies and elders; minimum 6 hours contact - more encouraged. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.
HEFM 414
ORGANIZATION AND MANAGEMENT OF CHILD CARE CENTERS 3.0
Basic principles of supervision and administration applied to developing a
sound program in a modern pre-school program. The learning process applied
to the professional development of staff. Organization and administration of
individual classrooms and the total school program; the relationship of the
school to community services and agencies.
Prerequisites: HEFM 214 and junior standing.

HEFM 418
STRATEGIES FOR WORKING WITH PARENTS 3.0
Establishing a positive team approach between the parent and teacher. Parent-
teacher interaction. How the teacher interprets parental anxieties, and con-
ducts individual conferences and group meetings.
Prerequisite: HEFM 214.

HEFM 445
THE INNER CITY FAMILY 3.0
Sub-cultures residing in large cities. The impact of urbanization, ethnicity,
social and economic institutions. Problems which families encounter. Com-
munity contact is part of the course. Meets the 1983 General Education
Requirement (GER)–Contemporary Issues. Meets the Multicultural Awareness
Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: Junior standing.

HEFM 448
FAMILY COUNSELING 3.0
Techniques and theories of collecting data and counseling families with such
problems as money management, nutrition concerns, parent-child relations-
ships and value conflicts.
Prerequisites: HEFM 141 and HEFM 214 and HEFM 248 and senior standing
or graduate status.

HEMG 231
THE FAMILY IN THE ECONOMIC SYSTEM 3.0
The family as an economic unit in society. Economic behavior of various sub-
cultures, age groups and family patterns. Meets the 1983 General Education
Requirement (GER)–Social Science, Topic Course.

HEMG 270
INDIVIDUAL MANAGEMENT: THEORIES AND STRATEGIES 3.0
Opportunity to investigate management theories and apply them to personal
life. Influences on, and blocks to, personal management, problem solving,
planning, and expediting. Required of majors. Meets the 1983 General Education
Requirement (GER)–Contemporary Issues. Meets the University Writing
Requirement for HUCA, HUCL, HUED, HUFH, HUFM, HUFF, HUEF,
HUFG, HUFY, HUFP, HUFH, HUGR majors.

HEMG 331
MONEY MANAGEMENT 3.0
The role and meaning of money in individual and family living; understanding
income as a means of acquiring a style of life; the effective control of income,
spending, savings, credit, and managing resources for future needs.

HEMG 335
CONSUMERS IN THE MARKET 3.0
The consumer perspective of the marketplace. Emphasis on developing research
skills and understanding laws, regulations and agencies that affect the
consumer.
Prerequisite: Not open to freshmen.

HEMG 435
CONSUMER ACTION 3.0
The market place as a social, psychological and economic institution serving
consumers. Emphasis on consumer motivation, market organization, pricing
and selling strategies: trends and current issues which affect the quality and
availability of goods and services.
Prerequisites: ECON 101 or ECON 102, and HECO 304.

HEMG 470
FAMILY MANAGEMENT 3.0
Opportunity to analyze situations in which individuals and families use
resources to maintain daily life and solve problems. Roles, goals, decision
making, use of human and nonhuman resources and factors influencing
household management.
Prerequisite: HEMG 270.

HEMF 130
INTRODUCTION TO NUTRITION AND FOOD SCIENCE PROFESSION 1.0
An introductory course, which provides general information about nutrition
and food science fields and acquaints students with professional requirements
and opportunities.
Prerequisite: Human Ecology majors only with concentration in Food Man-
agement, Nutrition and Food Science-General, or Nutrition and Food Sci-
ence-Dietetics or Nutrition and Food Science minors.

HEMF 150
FOOD COMPOSITION AND SCIENTIFIC PREPARATION 3.0
An introduction to food science, nutrition and food preparation with emphasis
on scientific principles involved in the characteristics of acceptable standard-
ized products and product evaluation.
Prerequisite: Special fee.

HEMF 153
DYNAMICS OF FOOD AND SOCIETY 3.0
This course is designed to give students an opportunity to explore issues of
food consumption through a study of: basic nutrition requirements; social/
psychological factors influencing food behaviors; food acquisition through
history as compared to contemporary situations; the impact on the ecological
system in the quest for food; and the social, economical, and political aspects
of the world food situation and potential means of alleviating the problems of
hunger and nutrient deficiencies. Meets Gen Ed 2002-Social Science, Social
Science. Meets the 1983 General Education Requirement (GER)–Contempo-
rary Issues. Meets the Multicultural Awareness Requirement (MAR).

HEMF 182
NUTRITION 3.0
This course is designed to give students a general knowledge of the compo-
nents of the food we eat, the nutrients necessary for a healthy life, the functions
of nutrients, and the interrelationships and metabolism of nutrients. The
factors which influence the recommended dietary intake of nutrients, and
theories and guidelines for screening nutrition risk and disease prevention
are presented. Meets the 1983 General Education Requirement (GER)–
Natural/Physical Science, Non-Laboratory Science Only.

HEMF 192
NUTRITION WITH LABORATORY 4.0
This course is designed to provide students with a general understanding of the
components of the food we eat and the nutrients necessary for life. The
functions of nutrients, their interrelationships, digestion, absorption and
metabolism of nutrients are discussed. The factors, such as age, gender,
ethnicity, physical activity, and environmental factors, which influence food
intake and requirements of nutrients are covered. Students learn to measure
and evaluate their nutritional status and body composition using equipment
used in laboratory and analyze their diets using computer software. They plan
meals considering individual's nutritional requirements in the laboratory.
Historical, national, and international issues regarding food and nutrition are
presented.

HEMF 255
MEAL DESIGN AND MANAGEMENT 3.0
A course designed to include the design and delivery of meals for individuals
and families. Special emphasis on nutrition and economic needs balanced with
current lifestyles. Principles involved in meal management will be practiced
and illustrated through class labs.
Prerequisites: HEMF 150 and 182. Special fee.

HEMF 257
INTRODUCTORY FOOD SCIENCE 3.0
An introduction to the science of food, with emphasis on the study of the
constituents of food and the chemical, physical and biological reactions
occurring in food that affect safety, nutritional, sensory and economical
changes during processing and storage. This course is appropriate for students
in food and nutrition, foodservice management, biology, chemistry, and health
sciences.
Prerequisites: CHEM 111 or 107 and 109.
HENU 282  
APPLIED NUTRITION IN THE LIFE CYCLE  4.0  
The application of basic nutrition knowledge to individuals and community agencies. Assessing nutrition problems in community settings and planning and evaluating programs to deal with those problems. Analysis of the physiological, biochemical, psychological and sociological factors that affect nutrient needs throughout the life cycle. Field studies.  
Prerequisite: HENU 182. Special fee.  
Prerequisite or corequisite: CHEM 130.

HENU 357  
EXPERIMENTAL FOOD SCIENCE  3.0  
Study of the theory and applications of the chemical and physical changes involved in food processing, storage and preparation through objective and subjective analytical techniques.  
Prerequisites: HENU 150 and CHEM 130. Special fee.

HENU 382  
ADVANCED NUTRITION  4.0  
The physiological and chemical bases for nutrient needs, mechanisms through which nutrients meet the biological needs of humans, evaluation and interpretation of research findings.  
Prerequisites: HENU 182 and BIOL 243 and CHEM 270. Special fee.

HENU 456  
RESEARCH IN FOODS  3.0  
Scientific method in the design and execution of experimental food studies and in the interpretation and evaluation of results. Independent laboratory research.  
Prerequisite: HENU 357. Special fee.

HENU 482  
NUTRITION COUNSELING  3.0  
This course offers practical experience dealing with the assessment, documentation, principles of marketing, adult learning, helping skills, and evaluation as related to weight control and the role of food in promotion of a healthy lifestyle. Sixteen hours of clinical experience is required.  
Prerequisites: HENU 182 and HENU 282 and HENU 255; HEED 412. Special fee.

HENU 488  
MEDICAL NUTRITION THERAPY  4.0  
This course enables students to apply nutrition science to the prevention and treatment of human diseases and medical conditions. Nutrition assessment, diet modification, and specialized nutrition support, such as enteral and parenteral feeding, are covered.  
Prerequisites: HENU 182 and HENU 382 and BIOL 243 and CHEM 270. Special fee.

HENU 490  
NUTRITION AND FOOD SCIENCE PROFESSIONAL SEMINAR  1.0  
A capstone course, which provides skills necessary for beginning professionals in nutrition and food science fields.  
Prerequisite: Junior or Senior Standing. Human Ecology majors only with concentration in Food Management, Nutrition and Food Science-General, or Nutrition and Food Science-Dietetics.

HETX 120  
INTRODUCTION TO APPAREL DESIGN  3.0  
Theory and techniques for achieving well-fitted apparel; basic concepts, competencies and technologies using appropriate fabrics, computer aided design, and commercial patterns.

HETX 122  
CLOTHING AND CULTURE: A MULTIDISCIPLINARY STUDY  3.0  
INFORMATION AND DECISION SCIENCES

SCHOOL OF BUSINESS
Chairperson: Richard Peterson

There are two major thrusts to the programs offered through this department: Management Information Systems and Quantitative Methods.

Students in the Management Information Systems are provided with knowledge of the theoretical and practical aspects of information management for today's business environment. The department, utilizing the latest in both hardware and software, prepares students to be competitive in today's commercial global economy.

Students in Quantitative Methods program receive training in analytical methods for solving operational research problems in industry. These methods, together with total quality management techniques and computer applications, are handled in depth to permit a student to become comfortable using modern statistical methods.

The program eligibility requirements for this program are listed in this catalog under "Business Administration". Please refer to the index for the page number.

Business Administration

Semester Hours

Required Courses
ACCT 201 Fundamentals of Financial Accounting ..........................3
ACCT 202 Fundamentals of Managerial Accounting .....................3
BSIW 264 Legal, Ethical and Global Environment of Business ...........3
FINC 321 Fundamentals of Finance .............................................3
INFO 270 Statistics for Business ..................................................3
INFO 371 Management Information Systems ................................3
INFO 375 Operations Analysis ....................................................3
MGMT 231 Management Processes ..............................................3
MGMT 439 Business Policy .......................................................3
MKTG 240 Introduction to Marketing ..........................................3
MKTG 346 Introduction to International Business ........................3

Collateral Courses
ECON 101 Principles of Economics: Macro ..................................3
ECON 102 Principles of Economics: Micro ..................................3
INFO 273 Introduction to Computers in Business ..........................3
MATH 114 Mathematics for Business II: Calculus ........................3

Management Information Systems Concentration

Semester Hours

Required Courses (9 semester hours)
INFO 281 Fundamentals of Management Information Systems I .......3
INFO 282 Fundamentals of Management Information Systems II ......3
INFO 496 Advanced Systems Analysis and Design ........................3

Electives I (6-9 semester hours)
INFO 357 Business Computer Programming ...............................3
INFO 380 Computer Networks in Business ....................................3
INFO 410 Database Development for Business ..............................3

Elective II (3-6 semester hours)
INFO 306 Information Systems and Applications ..........................3
INFO 321 Information and Media Management .............................3
INFO 335 Computer Applications in Business ...............................3
INFO 470 Electronic Commerce: Creating Business Value Through Information Technology .................................................3

Collateral Course
INFO 320 Administrative Business Communication ........................3

Business Administration Electives
Select 3 semester hours from the appropriate list to be obtained from the department .................................................................3

Quantitative Methods Concentration

Required Course
INFO 372 Management Science .................................................3
INFO 463 Essential Research and Data Analysis Methods ................3
INFO 475 Quantitative Decision Making for Business ....................3

Electives
Select one from the following list of approved electives:
INFO 281 Fundamentals of Management Information Systems I ......3
INFO 315 Production and Industrial Analysis .................................3
INFO 350 Quality Improvement ....................................................3
INFO 357 Business Computer Programming .................................3
INFO 374 Computer Management ................................................3
INFO 386 Supply Chain Management ............................................3
INFO 474 Business Forecasting ....................................................3
INFO 490 Decision Support Systems for Business ........................3

Collateral Course
INFO 320 Administrative Business Communication ........................3

Business Administration Electives
Select 12 semester hours from the appropriate list to be obtained from the department .........................................................12

Courses of Instruction

BSED 101
CONTEMPORARY BUSINESS 3.0
The organization and operation of contemporary business are explored. Students study the operation of the free enterprise system, alternative economic systems, and the various functional areas of business: finance, management, production, and marketing. Meets the 1983 General Education Requirement (GER)—Social Science, Topic Course.
Prerequisite: Cannot be used for degree credit by Business Administration major with more than 64 credits completed toward degree.

BSED 200
PERSONAL FINANCE: COMPUTER APPLICATIONS 3.0
This course is designed to allow students to apply personal finance concepts using Quicken software on the computer. Personal finance concepts and practices such as managing a checking account, credit account, cash account, maintaining home inventory, maintaining a personal balance sheet, income and expense record, tax records, estate planning, home mortgages, and using the INTERNET to facilitate processing of personal finance records are the major components of this course.
Prerequisite: Satisfactory completion of the GER in Computer Science.

BSED 309
PERSONAL FINANCE 3.0
The role of the consumer in the economy is studied by emphasizing how government and business policies, laws, and practices affect the consumer and his standard of living. Government regulatory laws and regulations, government policies on the control of money and inflation and how they affect the consumers are discussed. Business and labor policies and practices are emphasized in the areas of credit, savings, and housing. Meets the 1983 General Education Requirement (GER)—Electives, Personal/Professional Issues.

INFO 230
INTRODUCTION TO BUSINESS WORK EXPERIENCE 3.0-6.0
This is an introductory cooperative education course which integrates formal classroom study and assignments with a supervised full-time or part-time off-campus employment experience. The purpose of this course is to develop self awareness and to explore educational and occupational alternatives.
Prerequisites: Sophomore level status (45+ semester hours completed) with a 2.25 minimum grade point average.
INFO 270
STATISTICS FOR BUSINESS 3.0
This course is a comprehensive introduction to the application of modern statistical methods. Topics covered include: descriptive statistical methods of data analysis; probability theory; discrete and continuous probability distributions and mathematical expectation; classical statistical inference - sampling distributions, confidence interval estimation, sample size determination, and hypothesis testing for means and proportions; regression and correlation and time series analysis. Spreadsheet software is integrated in all topics. Cross listed with Mathematical Sciences, MATH 270. 
Prerequisites: MATH 114. May not be taken for graduation credit by College of Science and Mathematics majors.

INFO 273
INTRODUCTION TO COMPUTERS IN BUSINESS 3.0
An introduction to the use of information systems in business. Topics that will be covered include computer hardware and software, systems analysis, management information systems, data communications and application development. Students will be introduced to business software packages which will include database management, spreadsheeting and business word processing.

INFO 281
FUNDAMENTALS OF MANAGEMENT INFORMATION SYSTEMS I 3.0
This course provides students with an introduction to the fundamental concepts of management information systems. This course focuses on developing foundation knowledge and skills in programming logic and database development. 
Prerequisite: INFO 273 or passing SBUS Computer Proficiency Exam.

INFO 282
FUNDAMENTALS OF MANAGEMENT INFORMATION SYSTEMS II 3.0
This course provides students with an introduction to the fundamental concepts of management information systems. This course is aimed at teaching students the fundamentals of computer networks and systems analysis. 
Prerequisite: INFO 273 or passing SBUS Computer Proficiency Exam.

INFO 306
INFORMATION SYSTEMS AND APPLICATIONS 3.0
Designed to increase awareness of emerging technologies in telecommunication networks and presentation graphics within a global business environment. Emphasis is on emerging technologies, computer-generated business presentations, and state-of-the-art desktop publishing document production. Students access international information highways through VAX networks and internet for electronic mail and interrogation of worldwide databases. Oral and written presentation skills are developed by reporting results of research through PowerPoint and PageMaker. No previous knowledge of these programs is required. This course counts as an elective within the business major for all concentrations in Business Administration. 
Prerequisites: INFO 273 or CMPT 109; Business Administration major.

INFO 315
PRODUCTION AND INDUSTRIAL ANALYSIS 3.0
This course is mainly designed to expose students to production aspects of industries. It will develop theories and applications in the areas of location of facilities, capacity planning, facilities design and layout, designing assembly line production systems, facilities maintenance and materials handling, purchasing, inventory control systems, forecasting demand for products, master scheduling and MRP, scheduling and control systems, and quality and statistical quality control.
Prerequisites: INFO 270 or INFO 271 and MGMT 231; Business Administration majors.

INFO 320
ADMINISTRATIVE BUSINESS COMMUNICATIONS 3.0
The study of communication processes using special problem applications with a theoretical and practical base. Writing proposals, business correspondence, business plans, and handling electronic messaging are covered. Emphasis is also on using presentation materials to complement interpersonal and organizational communication. This course counts as an elective within the business major for all concentrations in Business Administration. Meets the University Writing Requirement for BAEC, BAI, BAMI, BQM, ECON, ECBE majors. 
Prerequisite: Business Administration majors only.

INFO 321
INFORMATION AND MEDIA MANAGEMENT 3.0
Includes study of the criteria and methods by which records are created, stored, retrieved, retained and disposed, as well as attention to study of the managerial considerations necessary for effective selection and utilization of equipment, procedures, and personnel. This course counts as an elective within the business major for all concentrations in Business Administration. 
Prerequisite: Business Administration majors or approval of department chairperson.

INFO 330
OFFICE SYSTEMS ADMINISTRATION PROFESSIONAL WORK EXPERIENCE PROGRAM 3.0-6.0
This is a cooperative education course specifically for office systems administration majors. Course is designed to integrate formal classroom study and assignments with supervised full-time off-campus employment. It has as its primary goals the development of occupational competencies and pre-professional training. 
Prerequisites: Junior or senior status; a 2.45 grade point average; satisfactory completion of INFO 230 or the equivalent of 6 months of verified full-time work experience; Office Systems Administration concentration declaration for one prior semester plus the completion of 6 semester hours from the Office Systems Administration core courses.

INFO 335
COMPUTER APPLICATIONS IN BUSINESS 3.0
A course designed to prepare students to make decisions in the selection and utilization of microcomputer systems and appropriate software for a business environment based on identified needs; the factors to consider in the implementation of microcomputers at different levels of an organization; and the characteristics of specific software applications used in the business environment. The course also provides students with hands-on experience with commercial software packages. This course counts as an elective within the business major for all concentrations in Business Administration. 
Prerequisite: INFO 273 or CMPT 109; Business Administration major.

INFO 350
QUALITY IMPROVEMENT 3.0
A comprehensive approach to quality in organizations is essential to maintaining competitive position. This course explores current thinking as well as the tools and techniques necessary to implement quality programs. 
Prerequisites: INFO 270 or INFO 271; Business Administration majors.

INFO 357
BUSINESS COMPUTER PROGRAMMING 3.0
This course enhances students' ability to use computer programming to solve business problems. Students are introduced to the concepts of object-oriented programming in business application. 
Prerequisite: INFO 281, INFO 282; Business Administration major with concentration in Management Information Systems or departmental approval.

INFO 371
MANAGEMENT INFORMATION SYSTEMS 3.0
Total information systems from the perspective of organizations. Information from the management point of view; its needs, cost and value. Definition and analysis in the solution of systems problems. The computer as a tool of processing accounting, marketing and financial information for decision-making and policy-setting. (Field work) 
Prerequisites: ACCT 202, and MGMT 231, and INFO 273 or CMPT 109, Business Administration major.

INFO 372
MANAGEMENT SCIENCE 3.0
Applied mathematical techniques used to solve a wide variety of problems with special attention to issues, management and production control. Topics include linear programming, transportation and assignment algorithms, other optimization techniques, decision theory, project management, queuing theory and simulation. 
Prerequisites: INFO 270, INFO 375, and MGMT 231; Business Administration major.

INFO 374
COMPUTER MANAGEMENT 3.0
Optimum selection of computer hardware, software and operating systems among various alternatives, from a cost effectiveness point of view. 
Prerequisites: INFO 371; Business Administration major.
INFO 375
OPERATIONS ANALYSIS 3.0
Mathematical and statistical methods in the analysis of specific business systems and industrial production activities, inventory control, production planning and scheduling, and capital management. Computers are used to solve problems involving complex systems.
Prerequisites: INFO 270 or INFO 271; Business Administration major.

INFO 380
COMPUTER NETWORKS IN BUSINESS 3.0
This course enhances students' knowledge of data communications, network design, administrations, and distributed information systems. The concepts essential to the design and application of both communication hardware and software are examined. Emphasis is on the analysis and design of networking application in business. Management of networks, networking security, cost-benefit analysis, introduction of major emerging networking technologies, and evaluation of connectivity options are also covered.
Prerequisites: INFO 281 and INFO 282; Business Administration major.

INFO 386
SUPPLY CHAIN MANAGEMENT 3.0
This course involves the flow of materials and information among all of the firms that contribute value to a product from the source of raw materials to end customers. Relationships among supply chain components and the interface of supply chain activities and other functional areas of business are examined.
Prerequisites: INFO 375; Business Administration majors.

INFO 410
DATABASE DEVELOPMENT IN BUSINESS 3.0
This course provides students an opportunity to examine various issues in all phases of database development, including requirement analysis and data modeling, logical design and physical design, data integrity control, SQL queries, internet applications and database administration.
Prerequisites: INFO 281 and INFO 282; Business Administration major.

INFO 463
ESSENTIAL RESEARCH AND DATA ANALYSIS METHODS 3.0
Provides a working knowledge of research methodology and includes the fundamentals of both exploratory and confirmatory data analysis useful in business research settings, enabling a focus on understanding and interpreting results and being aware of related ethical issues. Develops the concepts of experimental designs and model building and uses SPSS, a menu-driven statistical software package, throughout. Enhances development of interpersonal skills through the use of projects and assignments emphasizing the importance of teamwork in achieving success in an organizational setting and enhances development of communication skills by emphasizing term team project reports and brief oral presentations.
Prerequisites: INFO 270 and INFO 273 or permission of department; Business Administration majors.

INFO 470
ELECTRONIC COMMERCE: CREATING BUSINESS VALUE USING INFORMATION TECHNOLOGY 3.0
This course is designed to provide the student an understanding of the consequences of the introduction of the Internet and the World Wide Web in the way business is conducted. The electronic commerce world is viewed primarily from the point-of-view of MIS. That is, the managerial issues related to the information infrastructure requirements are mainly attended to. Both individuals and organizations have been profoundly affected by related network technologies that have since permutated in form ever since the convergence of advanced communications and information infrastructure and the cable, telephone, television, and telecommunications industries. The student will learn about new forms of business practices in business-to-business, consumer-to-business, and intraorganizational transactions. Specifically, activities in the areas of electronic shopping, publishing, distribution, and collaboration will be explored. The following issues that have arisen as a result of electronic commerce (EC) will be explored: security, authentication, privacy, data encryption, intellectual property rights, freedom of expression using electronic media, fair use policies, legal liabilities, etc. Students will also learn about new organizational forms such as the "virtual" firm that are emerging as a result of EC.
Prerequisite: INFO 371

INFO 474
BUSINESS FORECASTING 3.0
Mathematical and econometric models for short- and long-range business forecasting. Models are evaluated for accuracy and relevance. The computer is used as a tool in developing an automated system.
Prerequisite: INFO 270 or INFO 271; Business Administration majors.

INFO 475
QUANTITATIVE DECISION MAKING FOR BUSINESS 3.0
This course is a capstone course for the Quantitative Methods concentration and is aimed at applying the quantitative methods learned in the prerequisite courses to solve some real world business problems. It will be a project-oriented course. The class time will be used to discuss the problems and their solution strategies rather than learning more techniques. Computerized tools will be used to solve the problems.
Prerequisites: INFO 372 or INFO 463; Business Administration majors.

INFO 476
DATA MINING FOR BUSINESS 3.0
This course is concerned with data mining concepts and techniques, and is designed as a practical introduction to the growing field of Data Mining. This powerful set of analytic techniques is becoming increasingly popular as an information management tool designed to guide decisions under conditions of limited certainty across such diverse fields as marketing, finance, economics, education, epidemiology, psychology, sociology, as well as many others.

INFO 490
DECISION SUPPORT SYSTEMS FOR BUSINESS 3.0
The course will cover the following topics: decision types and models, heuristics in decision making, the role of data and its collection, group decision making, design of DSS and GDSS, neural computing/learning, uncertainty issues.
Prerequisites: INFO 371; Business Administration major.

INFO 491
INDEPENDENT STUDY IN INFORMATION SYSTEMS 3.0
A student, under the guidance of a faculty advisor, will conduct an in-depth study on a current topic in information systems. A project report or a research paper will be produced after this study.
Prerequisite: Departmental approval.

INFO 492
SPECIAL TOPICS IN INFORMATION PROCESSING 1.0-3.0
This course covers the topics in the design, implementation, and applications of information systems. The topics also include various information technologies and their applications. The course may be repeated for credit as long as the "special topic" in each course differs from topics previously taken.
Prerequisite: Departmental approval.

INFO 496
ADVANCED SYSTEMS ANALYSIS AND DESIGN 3.0
The course is an advanced (capstone) project-oriented exposition of the MIS knowledge to application system development process. Emphasis is placed on information analysis and the logical specification of the system and project management. SDLC, systems development process and systems development tools, etc., are covered. The student is guided to develop a formal design document as a project.
Prerequisites: Two of the following: INFO 357, INFO 380, INFO 410 and departmental approval.
JUSTICE STUDIES MAJOR

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Director: David J. Dodd

The Justice Studies major approaches issues of justice from a multidisciplinary vantage point that incorporates Psychology, Sociology, and Legal Studies. The program prepares students for employment in settings such as the criminal justice system, social service agencies, law enforcement, the court system, educational settings, law offices, corporations, and federal or state agencies.

The major provides:

- a comprehensive grounding in the social, cultural, and political issues relevant to an understanding of the justice system in the United States;
- the ability to apply theoretical perspectives to issues in Justice Studies;
- an empirical approach to questions about Justice Studies;
- an appreciation of ethical issues relating to Justice Studies;
- competencies in knowledge, methods, and applications needed for careers and professional development in these areas;
- and field work experience in occupational settings such as child advocacy organizations, law offices, criminal justice agencies, private industry, and the public sector.

The 39 to 41 credit multidisciplinary Justice Studies major consists of a required 15-16 credit core emphasizing the theoretical and applied aspects which are essential background knowledge for all students in the program. The courses in the common core combine a liberal arts approach with a grounding in the theories and methods of the major disciplines involved. The core is enhanced by a required 24-25 credit applied concentration in one of four areas: Child Advocacy, Environmental Justice, Justice Systems, or Paralegal Studies.

The Child Advocacy Concentration, unique in New Jersey and the region emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. The concentration advisor is Dr. Milton Fuentes.

The Justice Systems Concentration focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. The concentration advisor is Dr. David J. Dodd.

The Environmental Justice Concentration offers a comprehensive view of the field of environmental justice; a thorough understanding of industrial and post-industrial environments; competencies in knowledge, methods, and applications needed for careers and professional development in environmental justice; fieldwork experience in appropriate settings; and access to the complex world of environmentalism: including government agencies, private and public research institutions, community activists, and advocacy groups.

The Paralegal Studies Concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. The concentration advisor is Dr. Lenore Molee.

The Justice Studies major is a program available to both day and evening students.

Note: A student in the Justice Studies major may take more than one concentration. A maximum of six semester hours of overlap is permitted between concentrations.

### Justice Studies Major

#### Required Common Core (15-16 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST 200 Perspectives on Justice Studies I</td>
<td>3</td>
</tr>
<tr>
<td>JUST 201 Perspectives on Justice Studies II</td>
<td>3</td>
</tr>
<tr>
<td>JUST 221 Research in Justice Studies: Social Science Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 312 Foundations of Legal Research</td>
<td>3</td>
</tr>
<tr>
<td>JUST 497 Senior Seminar and Field Experience in Justice Studies (Externship)**</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>4</td>
</tr>
<tr>
<td>JUST 498 Senior Seminar and Field Experience in Justice Studies (Cooperative Education)***</td>
<td>4</td>
</tr>
</tbody>
</table>

*Variable credit allowed up to 8 semester hours. Semester hours above 3 semester hours are free electives, not included in the semester hours toward the major.

**Variable credit allowed up to 8 semester hours. Semester hours above 4 semester hours are free electives, not included in the semester hours toward the major

#### Child Advocacy Concentration (24 semester hours):

I. Additional Required Courses: 12 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 201 Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 224 Children's Rights and Child Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 330 Forensic Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 430 Contemporary Issues in Child Advocacy</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Choice of 4 courses from among the following (12 semester hours): Students must include at least one Legal Studies or Sociology course from the courses listed below.

A. Students must include at least two courses from this group:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 202 Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 231 Psychology of Aggression</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 245 Mental Health Issues of Hispanic Americans</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 248 Psychology and Law</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 246 Psychology of the Black Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

B. Students may include up to two courses from this group:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST 499 Selected Topics in Justice Studies</td>
<td>3</td>
</tr>
<tr>
<td>LSLW 315 The Mediation Process and Its Applications</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 330 Family Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 304 State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 265 Psychology of Women</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 204 Sociology of the Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 209 Sociology of Poverty and Welfare</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 322 Juvenile Delinquency and Juvenile Justice</td>
<td>3</td>
</tr>
</tbody>
</table>

C. With advisor's permission, seniors may substitute up to two courses at the 500 level.

Total semester hours for Justice Studies major with concentration in Child Advocacy: 39-40

#### Environmental Justice Concentration (24 semester hours):

I. Additional Required Courses (6 semester hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUST 314 Environmental Justice</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 314 Environmental Justice</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 410 Environmental Law</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>3</td>
</tr>
<tr>
<td>EUGS 410 Environmental Law</td>
<td>3</td>
</tr>
</tbody>
</table>
II. Choice of 6 courses from among the following two groups
(18 semester hours):
A. Students must include four courses from this group:

JUST 499 Selected Topics in Justice Studies ...........................................3
PSYC 109 The Human Environment .....................................................3

OR

ENVR 109 The Human Environment....................................................3
PSYC 230 Environmental Psychology ..................................................3
SOCI 211 Sociology of Health and Illness ............................................3
SOCI 312 Environmental Sociology .....................................................3
SOCI 408 Social Movements.................................................................3

B. Students must include two courses from this group (6 semester hours):

Biol 107 Biology for Survival .................................................................3
EGUS 331 Urbanization and Environment ...........................................3
GEOG 125 Earth and the Environment ................................................3
HLTH 240 Foundations of Environmental Health ...............................3
POL 416 Selected Topics in Political Science .........................................3

Total semester hours for Justice Studies major with concentration in Environmental Justice .................................................................39-40

Justice Systems Concentration (25 semester hours):
I. Additional Required Courses (10 semester hours):
SOCI 101 Criminology ...........................................................................3
SOCI 232 Introduction to Criminal Justice ...........................................3
JUST 240 Statistics for Social Research ..................................................4

OR

SOCI 240 Statistics for Social Research ..................................................4

II. Choice of 5 courses from among the following (15 semester hours):
A. Students must include at least three courses from this group:

SOCI 202 Racial and Ethnic Relations ....................................................3
SOCI 203 Sociology of Organized Crime .................................................3
SOCI 238 Research Methods in Criminal Justice ...................................3
SOCI 315 Social Stratification.................................................................3
SOCI 321 White Collar Crime .................................................................3
SOCI 322 Juvenile Delinquency and Juvenile Justice .............................3
SOCI 325 The Sociology of Police ...........................................................3
SOCI 351 Juries and Justice .................................................................3
SOCI 353 Sociology of Corrections .........................................................3
SOCI 405 Deviance and Social Control ...................................................3
SOCI 420 Sociology of Law .................................................................3
SOCI 430 Sociology of Gender ................................................................3
SOCI 230 Sociology of Conflict and Violence ........................................3

OR

ANTH 230 Anthropology of Conflict and Violence ................................3

B. Students must include one Legal Studies or Psychology course from this group:

LSPR 304 Real Estate Law ......................................................................3
LSPR 306 Contract Law ..........................................................................3
LSPR 310 Fundamentals of Patent, Trademark, and Copyright Law ....3
LSPR 322 Wills, Trusts, and Probate Law ............................................3
LSPR 330 Family Law ..........................................................................3
LSPR 336 Corporations and Partnerships .............................................3

C. Students may include up to two courses from this group:

LSPR 301 Criminal Law and Procedure (precludes LSPR 308 major credit) ..................................................3
LSPR 305 Immigration Law ................................................................3
LSPR 309 Negotiation, Mediation and Arbitration .................................3
LSPR 321 Law in Society: Criminal Law (precludes LSPR 301 major credit) ..................................................3
PSYC 224 Children’s Rights and Child Advocacy ................................3
PSYC 248 Psychology and Law ..............................................................3
PSYC 330 Forensic Psychology ...............................................................3
SOCI 101 Criminology ...........................................................................3
SOCI 202 Racial and Ethnic Relations ....................................................3
SOCI 232 Introduction to Criminal Justice ...........................................3
SOCI 321 White Collar Crime .................................................................3
SOCI 322 Juvenile Delinquency and Juvenile Justice .............................3
SOCI 351 Juries and Justice .................................................................3
SOCI 420 Sociology of Law .................................................................3

D. With departmental permission, seniors may substitute up to two courses at the 500 level.

Note: Students in this concentration may take any minor except Paralegal Studies.

Total semester hours for Justice Studies major with concentration in Paralegal Studies .................................................................39-40

Paralegal Studies Concentration (24 semester hours):
I. Additional Required Courses (9 semester hours):
LSPR 301 Criminal Law and Procedure (precludes LSPR 308 major credit) ..................................................3
LSPR 339 Computer Applications in the Legal Environment .................3
LSPR 362 Legal Writing .........................................................................3

II. Choice of 5 courses from among the following (15 semester hours):
A. Students must include at least one Psychology or Sociology course from the courses listed below:

LSPR 304 Real Estate Law ......................................................................3
LSPR 306 Contract Law ..........................................................................3
LSPR 310 Fundamentals of Patent, Trademark, and Copyright Law ....3
LSPR 322 Wills, Trusts, and Probate Law ............................................3
LSPR 330 Family Law ..........................................................................3
LSPR 336 Corporations and Partnerships .............................................3

B. Students may include up to two courses from this group:

LSPR 301 Criminal Law and Procedure (precludes LSPR 308 major credit) ..................................................3
LSPR 305 Immigration Law ................................................................3
LSPR 309 Negotiation, Mediation and Arbitration .................................3
LSPR 321 Law in Society: Criminal Law (precludes LSPR 301 major credit) ..................................................3
PSYC 224 Children’s Rights and Child Advocacy ................................3
PSYC 248 Psychology and Law ..............................................................3
PSYC 330 Forensic Psychology ...............................................................3
SOCI 101 Criminology ...........................................................................3
SOCI 202 Racial and Ethnic Relations ....................................................3
SOCI 232 Introduction to Criminal Justice ...........................................3
SOCI 321 White Collar Crime .................................................................3
SOCI 322 Juvenile Delinquency and Juvenile Justice .............................3
SOCI 351 Juries and Justice .................................................................3
SOCI 420 Sociology of Law .................................................................3

C. With advisor's permission, students may substitute up to two courses at the 500 level.

Note: Students in this concentration may take any minor except Criminal Justice.

Total semester hours for Justice Studies major with concentration in Criminal Justice: .................................................................40-41
Courses of Instruction

JUST 199
FRESHMAN SEMINAR IN JUSTICE STUDIES 1.0
An experience for Justice Studies freshmen that will help them to succeed as Justice Studies majors by learning study skills and becoming acquainted with the culture of higher education. Meets Gen Ed 2002-New Student Seminar.

JUST 200
PERSPECTIVES ON JUSTICE STUDIES I 3.0
An examination of issues, justice, and advocacy from the multidisciplinary perspectives of Legal Studies, Psychology, and Sociology. An exploration and analysis of the legal system with emphasis upon the rights and liberties of the individual as well as alternative forms of dispute resolution. Social behavior, group processes and individual differences. Controversies surrounding justice and injustice including the potential for differential treatment based upon race, gender, age, sexual orientation, and physical ability. Meets the University Writing Requirement for JUCA, JUJS, JUPS majors.

JUST 201
PERSPECTIVES ON JUSTICE STUDIES II 3.0
Experiential study of (1) the judicial process; (2) work roles and careers; (3) institutions; and (4) related issues such as children’s rights and dispute resolution within the criminal justice system. Emphasis on the relationship of theory to practice and on the contexts in which tasks are accomplished and roles are performed. Classroom issues are viewed from a real world perspective through field trips, site visits, supervised observations and field work, and integrated through journals, discussions and research.

JUST 221
RESEARCH IN JUSTICE STUDIES: SOCIAL SCIENCE PERSPECTIVES 3.0
Introduction to the principles of empirical research and their application in the law and justice system. Examination of sampling, experimental methods, survey methods, and qualitative fieldwork and study of strengths and weaknesses of these methods. Attention to methods for program, family, and individual evaluation. A critical approach to understanding and using "facts" about levels of adult and juvenile crime, causes of crime, public perceptions of crime and punishment, victimization, policing, the courts, and corrections. Prerequisite: Not open to freshmen.

JUST 314
ENVIRONMENTAL JUSTICE 3.0
The domain of this course is the role of social inequities, especially those of class and race, in the distribution of environmental risks in societies at the local, national, and global levels and includes study of legal remedies and public policy measures that address environmental injustices. Cross listed with Sociology, SOCT 314.

JUST 390
INDEPENDENT STUDY IN JUSTICE STUDIES 3.0
Guided study of a particular area of Justice Studies arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of Justice Studies. This course does not replace a regular course taken on an independent study basis. Prerequisite: Instructor's approval.

JUST 497
SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (EXTERNSHIP) 3.0-8.0
Research project and/or field experience. The required classroom seminar complements the experiential component and includes discussions from a multidisciplinary vantage point, preparation of Justice Studies portfolio, and career options. May be repeated once for students who choose a second concentration. Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312 and 18 credits in the student's concentration. A minimum grade of C- is required in JUST 221 and JUST 312. Senior status and advisor's permission; Justice Studies majors only.

JUST 498
SENIOR SEMINAR AND FIELD EXPERIENCE IN JUSTICE STUDIES (COOPERATIVE EDUCATION) 4.0-8.0
Academic study integrated with supervised paid employment. Research project and/or field experience. The required classroom seminar complements the experiential component and includes discussions from a multidisciplinary vantage point, preparation of Justice Studies portfolio, and career options. May be repeated once for students who choose a second concentration. Prerequisite: JUST 200 and JUST 201 and JUST 221 and JUST 312 and 18 credits in the student's concentration. A minimum grade of C- is required in JUST 221 and JUST 312. Senior status and advisor's permission; Justice Studies majors only.

JUST 499
SELECTED TOPICS IN JUSTICE STUDIES 3.0
Exploration of a timely and significant area of Justice Studies. The specific topic will be announced each time that the course is offered. May be repeated once for a total of six semester hours.
LEGAL STUDIES

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Chairperson: Norma C. Connolly

The Legal Studies Department at Montclair State University is committed to teaching students about law within the context of a quality liberal arts education. Our mission is to prepare our students for the highly competitive world of law by exposing them to the aspects of critical thinking and analysis, theoretical considerations and practical applications, conflict management, research and writing, and the technological preparedness necessary for those engaging in both the study and practice of law.

We accomplish this mission on several levels. Through general education courses, we teach students to be consumers of law. Through undergraduate programs, we prepare students for a variety of law-related careers through rigorous courses of study which accentuate the interdisciplinary nature of law and provide a sound theoretical foundation as applied in legal settings.

The Department of Legal Studies affords Montclair State students the possibilities of an applied career in law as a paralegal or Pre-Law preparation for a career as an attorney. Both the Paralegal and Pre-Law Programs are minors which may be combined with many diverse majors on campus. The Paralegal Studies program is also offered as a concentration within the Justice Studies Program. A Paralegal Studies Certificate is offered as an entry level paralegal program for post-baccalaureate students. A Master of Arts in Legal Studies is offered as a career enhancement degree for non-lawyer professionals in the legal field.

As University Pre-Law Advisor, Dr. Norma C. Connolly provides Pre-Law students with information and guidance on the law school admissions process and planning an appropriate course of study. Dr. Regina Judge and Dr. Lenore Molee serve as academic and career advisors for undergraduate students in the Paralegal Studies Program. Dr. Regina Judge, Dr. Lenore Molee, Dr. Jack LeClair and Dr. Marilyn Tayler serve as department Pre-Laws advisors.

PARALEGAL STUDIES PROGRAM
(24 semester hours)

The Paralegal Studies Program offers the student a balanced and varied background in theoretical and practical aspects of law which are necessary for work as a legal assistant. Paralegals—sometimes referred to as legal assistants or legal analysts—work under the supervision of an attorney, in a variety of areas ranging from real estate, litigation and family law to patent, trademark and estate practice. The program develops intellectual and analytical skills, educates students for direct employment opportunities in the legal assistant field, and provides additional career possibilities in combination with a student’s major.

The Montclair State University Paralegal Studies Program is the first and only program at a New Jersey state college or university to receive American Bar Association approval. A Certificate of Completion is awarded to all students who meet program standards, fulfill the 24 credit hours required in the Program, and complete a Bachelor’s Degree. For undergraduate students, this is an academic minor or a concentration within the Justice Studies major. For Post-Baccalaureate students, it is a certificate program.

By advisement, students may select optional areas of emphasis. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded on transcripts. In Paralegal Studies, optional areas of emphasis are Hispanic Perspectives, Legal Information and Technology, and Patent, Trademark, and Copyright Law.

Paralegal Studies Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSPR 210</td>
<td>Law and Litigation</td>
<td>9</td>
</tr>
<tr>
<td>LSPR 312</td>
<td>Foundations of Legal Research</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 362</td>
<td>Legal Writing</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 322</td>
<td>Wills, Trusts, and Probate Law</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 330</td>
<td>Family Law</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 336</td>
<td>Corporations and Partnerships</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 311</td>
<td>Advanced Patent, Trademark and Copyright Law</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 401</td>
<td>Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 420</td>
<td>Advanced Civil Litigation</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 437</td>
<td>Entertainment Law</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 438</td>
<td>Trademark Law</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 441</td>
<td>Advanced Computer Applications in the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 450</td>
<td>Law Office Management and Technology</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 460</td>
<td>Advanced Legal Research and Writing</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 499</td>
<td>Selected Topics in Paralegal Studies</td>
<td>3</td>
</tr>
<tr>
<td>LSEW 388</td>
<td>Trial Techniques and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 316</td>
<td>Skills for Bilingual Legal Personnel</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 362</td>
<td>Legal Writing</td>
<td>3</td>
</tr>
<tr>
<td>POLS 321</td>
<td>Law in Society: Criminal Law (instead of LSPR 301)</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 497</td>
<td>Paralegal Seminar and Internship</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>Cooperative Education: Paralegal Studies</td>
<td>4 or 8</td>
</tr>
</tbody>
</table>

Total Semester Hours for the Program: 24-25

Optional Areas of Emphasis

By advisement, a student may focus upon optional areas of emphasis in the selection of Group II courses. These are informal groupings of courses clustered in accordance with student interests and career goals. A student is not required to take them and they are not formally recorded with the Registrar's Office. The required Paralegal Seminar and Internship course will focus upon the student’s area of emphasis.

1. **Legal Information and Technology**
   (LSPR 339, LSPR 441, and LSPR 450)

2. **Patent, Trademark, and Copyright Law**
   (LSPR 310, LSPR 411, and LSPR 438)

3. **Hispanic Perspectives** (Fluency in Spanish required)
   (LSPR 316, and PSYC 245 or PCOM 245 or SOCI 202)
PRE-LAW STUDIES PROGRAM
(24 semester hours)
The Pre-Law Studies Minor at Montclair State University is designed to enhance the preparation of students planning to seek admission to law school by promoting the development of abilities which are considered to be particularly important in the study and practice of law: to reason logically, to analyze complex ideas involving intricate interrelationships, to read with understanding and accuracy, and to write with clarity and precision. Pre-Law Studies is an interdisciplinary program emphasizing critical reasoning, writing and analytical skills. The program offers students a balanced and varied background, enriching the student’s academic major, in the acquisition of skills essential for success in the field of law.

Pre-Law Studies Minor
Required Courses: (9 credits)
LSLW 200 Introduction to Law .............................................................. 3
LSPR 312 Foundations of Legal Research ............................................. 3
LSPR 362 Legal Writing ........................................................................ 3

Essential Skills: (9 credits)
ENWR 205 Creative Nonfiction .............................................................. 3
OR
ENWR 204 Advanced Expository Writing .............................................. 3
GNHU 182 English Vocabulary: Classical Roots .................................... 3
LNGN 250 Language of Propaganda ..................................................... 3
OR
LSLW 324 Legal Reasoning (Cross listed with PHIL 324) ...................... 3
LSPA 290 Language of the Law (Cross listed with LNGN 290) .............. 3
LSPR 210 Law and Litigation ................................................................. 3
MATH 109 Statistics ............................................................................ 3
OR
MATH 270 Statistics for Business ......................................................... 3
OR
FINQ 270 Statistics for Business ........................................................... 3
PHIL 106 Logic .................................................................................... 3
PHIL 264 Critical Reasoning and Argument ......................................... 3
SPCM 438 Principles of Persuasion ....................................................... 3

Background Courses: (6 credits)
ACCT 201 Fundamentals of Accounting I ............................................ 3
OR
BSED 101 Contemporary Business ....................................................... 3
OR
ECON 101 Principles of Economics: Macro ........................................... 3
HIST 117 History of the United States to 1876 ...................................... 3
OR
HIST 118 History of the United States since 1876 .................................. 3
LSLW 220 Conflict and Its Resolution .................................................. 3
OR
LSPR 315 The Mediation Process and Its Applications ......................... 3
OR
LSLW 497 Pre-Law Seminar and Internship or LSLW 498 Cooperative Education: Pre-Law Studies may be substituted. LSLW 200, LSPR 312 and LSPR 362 are prerequisites. 2.75 grade point average. Open only to juniors and seniors.
Note: Courses in the Pre-Law Studies Minor may also be counted toward the General Education Requirement (GER) where appropriate.

For further information see the Legal Studies Web Page at:
http://www.chss.montclair.edu/legalstudies

JUSTICE STUDIES MAJOR,
PARALEGAL STUDIES CONCENTRATION
The Legal Studies Department, along with the departments of Psychology and Sociology, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Paralegal Studies. The American Bar Association approved Paralegal Studies concentration emphasizes both theory and practice in areas of law such as civil litigation, immigration, criminal law, family law, real estate, corporate law, and dispute resolution. It prepares students to work as paralegals in law firms, corporations, and government agencies. Montclair State has the only undergraduate paralegal program among New Jersey four-year institutions to be approved by the American Bar Association. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Paralegal Studies concentration may take any minor except Paralegal Studies. Dr. Lenore M. Molee serves as advisor for the Paralegal Studies concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

LSLW 200
INTRODUCTION TO LAW ................................................................. 3.0

LSLW 220
CONFLICT AND ITS RESOLUTION .................................................. 3.0
A study of conflict, its management and resolution. Exploration of conflict management skills, negotiation and mediation. Considerations of culture, gender, race, and age in resolving conflicts. Current developments and practical applications such as peer mediation, negotiation in the workplace, and dispute resolution in the court system. Students may take LSLW 220 or LSPR 308 but, not both courses. Students in the Paralegal Studies minor should take LSPR 308. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Contemporary Issues. Meets the Multicultural Awareness Requirement.

LSLW 315
THE MEDIATION PROCESS AND ITS APPLICATIONS ..................... 3.0
Study of the mediation process and its evolution. Analysis of models and applications including: court-annexed, family, municipal court, community, peer, victim offender mediation. Student participation in role plays, research, and observations of mediation process.

LSLW 324
LEGAL REASONING ............................................................... 3.0

LSLW 360
RIGHTS, LIBERTIES AND AMERICAN JUSTICE ............................... 3.0
An integrated approach to the study of individual rights, liberties, and American justice. The development of constitutional law in its social, political, and cultural contexts. The growth of the legal tradition and recent developments in relation to statutory law in shaping the principles of American liberty.
LSLW 388
TRIAL TECHNIQUES AND STRATEGIES 3.0
Strategy, technique and psychology of trials conducted in seminar format is the focus of this class. Students learn trial procedure, rules of evidence and how to implement what they have learned by auditing for attorney and witness roles, applying theory to an actual legal problem in conjunction with a mock trial, and competition. Students should be prepared to make a time commitment during winter break. Limited enrollment and open only to undergraduates.

LSLW 390
INDEPENDENT STUDY IN LAW 3.0
Guided study of a particular area of law arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of law. Prerequisite: Departmental approval.

LSLW 391
WOMEN AND THE LAW 3.0
Introduction to and evaluation of the changing patterns of gender-based laws in the United States in terms of the preferences they reflect and the rationales used to justify them. Emphasis on issues which impact upon women's rights, relevant case law which impacts upon the roles and rights of women, and legislation.

LSLW 400
HOSPITALITY LAW 3.0
The goal of this course is to introduce students to the laws and regulations applicable to the ownership and operation of hospitality businesses. It will focus on the legal fundamentals for the hospitality industry with specific emphasis on tort, contract, labor, criminal and labor law. Cross listed with Health Professions, Physical Education, Recreation and Leisure Studies, HOSP 400.

LSLW 473
SEMINAR IN LAW AND LITERATURE 3.0
This course examines the "Law and Literature" movement, an area of study developed within the legal field over the past several decades. The course is devoted to a thematic exploration and examination of the application of the concepts of law and literature and underscores areas of mutual illumination of the two vast bodies of text: legal opinions and works of literature.

LSLW 497
PRE-LAW SEMINAR AND INTERNSHIP 3.0
Field work experience in the legal setting to provide Pre-Law students who have acquired basic skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations. Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open to juniors and seniors only.

LSLW 498
COOPERATIVE EDUCATION: PRE-LAW STUDIES 4.0-8.0
Academic study integrated with paid employment in the legal setting to provide Pre-Law students who have acquired basic legal skills through introductory courses with the opportunity to utilize those skills and further explore the field of law. Required classroom seminar supplements experiential component and includes discussion of field work experience and ethical considerations. Prerequisites: LSLW 200 and LSPR 312 and LSPR 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; open only to juniors and seniors.

LSLW 499
SELECTED TOPICS IN LAW 3.0
Exploration of a timely and significant area of law. The specific topic will be announced each time that the course is offered. Prerequisites: Vary according to the topic offered.

LSPA 290
LANGUAGE OF THE LAW 3.0
This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Linguistics, LNGN 290.
LSPR 317
EVIDENCE 3.0
An examination of the basic principles and rules governing trial advocacy in federal and state (New Jersey) cases. Areas to be examined include: the hearsay rule and its exceptions, examination of witnesses (lay and expert); impeachment; privileges; real and demonstrative evidence, inference, judicial notice and presumptions.

LSPR 322
WILLS, TRUSTS AND PROBATE LAW 3.0
Basic concepts, practice, and procedures in wills, probate, and trusts. Includes will drafting, estate planning, probate procedures and estate administration. Forms and questionnaires utilized by paralegals in these areas.

LSPR 330
FAMILY LAW 3.0

LSPR 332
PERSONAL INJURY LAW 3.0
Legal concepts and terminology of personal injury law, both substantive and procedural. Negligence, medical malpractice, products liability. Drafting of pleadings and other documents utilized by paralegals in personal injury practice.

LSPR 336
CORPORATIONS AND PARTNERSHIPS 3.0
Legal characteristics and tax aspects related to sole proprietorships, partnerships, limited partnerships and corporations. Formation, operation and dissolution of the corporate entity. Drafting of legal forms utilized by paralegals in these areas.

LSPR 339
COMPUTER APPLICATIONS IN THE LEGAL ENVIRONMENT 3.0
Applications of computer software and hardware in the legal environment. Legal applications of word processing, databases, and spreadsheets. Legal software for document generation, document management, financial management, time billing, time and document management, computer-assisted legal research and information management in the workflow process. 
Prerequisites: Undergraduates must complete the Computer Science General Education Requirement before taking this course.

LSPR 362
LEGAL WRITING 3.0
Application of legal research, method and analysis to legal writing. Students are required to perform various kinds of legal writing assignments and to demonstrate ability to identify legal problems, analyze them based upon the related law and theory, and solve problems with resulting written work product.
Prerequisite: LSPR 312.

LSPR 390
INDEPENDENT STUDY IN PARALEGAL STUDIES 3.0
Guided study of a particular area of Paralegal Studies arranged individually between student and professor. The topic may be a more advanced treatment of a regularly offered course or the exploration of a timely and significant area of Paralegal Studies. 
Prerequisite: Departmental approval.

LSPR 411
ADVANCED PATENT, TRADMARK AND COPYRIGHT LAW 3.0
Procedural principles of patent, trademark and copyright law including prosecution of patent and trademark applications in the United States Patent and Trademark Office, preparation and filing of trademark applications and preparation of applications to register claims to copyright in the United States Copyright Office. Litigation procedures for acts of infringement relating to such proprietary rights.
Prerequisite: LSPR 310.

LSPR 412
CONSUMER LAW 3.0
This course provides students with the theoretical foundations and practical applications of Consumer law. The course utilizes a model and method approach, which presents theory and procedure in a case problem context. The course acquaints students with various traditional legal theories and compares the contrasts them with law as it has evolved to meet new changes in society. Areas to be covered include compulsory disclosure information, consumer claims and defenses, abusive collective practice, state and federal regulation of the cost of credit and alternative dispute resolution.

LSPR 420
ADVANCED CIVIL LITIGATION 3.0
Refinement of substantive and procedural principles relating to all stages of a civil law suit from commencement of suit through judgment and appeal as applied in New Jersey. Theoretical foundations and practical applications in the state court system contrasted with the federal court system. 
Prerequisites: LSPR 210 and 312.

LSPR 437
ENTERTAINMENT LAW 3.0
The goal of this course is to provide students with the theoretical foundations and practical applications of entertainment law. The course will utilize a model and method approach, which will present theory and procedure in a case problem context. The course will acquaint students with various traditional legal theories and compare and contrast them with entertainment law as it has evolved to meet the changes in society. Areas to be covered include representing minors, contract preparation, copyright infringement, publishing, theatrical and musical performance, film and television.

LSPR 438
TRADEMARK LAW 3.0
 Comprehensive study of procedural and substantive aspects of trademark selection, registration, use, and protection within the context of intellectual property.

LSPR 441
ADVANCED COMPUTER SYSTEMS IN THE LEGAL ENVIRONMENT 3.0
Applications and operation of computer systems, including hardware and software, designed specifically to assist in the practice of law or the management of law office and to provide students with a conceptual basis for evaluation, application and operation of other legal application and systems programs which may become available. 
Prerequisites: LSPR 312 and 339.

LSPR 450
LAW OFFICE MANAGEMENT AND TECHNOLOGY 3.0
Theoretical foundations and practical applications of law office management and technology. Hands-on and theoretical problems dealing with work product, human resources, and workflow in assembly, case management, database management, human resource management, and technological interfaces with traditional processes.

LSPR 460
ADVANCED LEGAL RESEARCH AND WRITING 3.0
Refinement of principles and methods of legal research in working with statutes, case law and other legal sources. Application of legal research techniques to practical legal problems. Preparation of more complex legal research projects. 
Prerequisites: LSPR 312 and 362.

LSPR 497
PARALEGAL SEMINAR AND INTERNSHIP 3.0
Field work experience of 90 hours in a private sector law office, corporation, bank or public sector agency. Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career options. 
Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval. 
Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.
LSPR 498
COOPERATIVE EDUCATION: PARALEGAL STUDIES 4.0 or 8.0
Academic study integrated with supervised paid employment situation in the legal environment outside of the formal classroom setting. Part-time (20 hours per week) or full-time (40 hours per week). Required classroom seminar supplements experiential component and includes discussion of field work experience, ethical considerations and career options.
Prerequisites: LSPR 210 and 312 and 362; a minimum grade of C- is required in LSPR 312 and LSPR 362; 2 legal specialty courses; departmental approval.
Prerequisites or corequisites: 2 legal specialty courses selected from courses approved within the Paralegal Studies program or from the approved departmental list.

LSPR 499
SELECTED TOPICS IN PARALEGAL STUDIES 3.0
Exploration of a significant area of Paralegal Studies such as administrative law, bankruptcy, environmental law as well as new and evolving legal areas. The specific topic will be announced each time the course is offered.
## LINGUISTICS

**COLLEGE OF HUMANITIES AND SOCIAL SCIENCES**

*Chairperson: Eileen Fitzpatrick*

Human language permeates nearly every facet of our existence and is one of the most important human activities. The courses in linguistics reflect this fact and explore the many aspects of language: its structure, its history, its relationship to society and to psychological processes, its role in shaping our attitudes, its use in literature, and many other topics.

The department offers general courses for non-majors and specialized courses for majors, as well as a minor program and a variety of courses for students in other fields. In addition, the department offers a choice of a liberal arts major in Linguistics, a Linguistics major with certification in Teaching English as a Second Language (TESL) as a first teaching field, and certification in TESL as a second teaching field. TESL certification is required for teaching ESL in grades K-12 in public schools in the state of New Jersey.

Linguistics majors receive a Bachelor of Arts degree.

### Linguistics Major

**Required Courses for All Majors:** (24 Semester Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>LNGN 210</td>
<td>Introduction to General Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 220</td>
<td>Structure of American English</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 230</td>
<td>Language in Society</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 245</td>
<td>Language and Culture</td>
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<tr>
<td>LNGN 300</td>
<td>Syntax</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 301</td>
<td>Semantics</td>
<td>3</td>
</tr>
<tr>
<td>OR LNGN 302</td>
<td>Pragmatics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 310</td>
<td>Morphology</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 311</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 322</td>
<td>Phonology</td>
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</table>

**Electives for Liberal Arts:** (12 Semester Hours)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 240</td>
<td>Languages of the World</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 255</td>
<td>Language and Gender</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 260</td>
<td>Dialectology</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 270</td>
<td>History of Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 280</td>
<td>Bilingualism</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 284</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 301</td>
<td>Semantics</td>
<td>3</td>
</tr>
<tr>
<td>OR LNGN 302</td>
<td>Pragmatics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 310</td>
<td>Morphology</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 325</td>
<td>Principles of Second Language Learning</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 370</td>
<td>Comparative and Historical Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 410</td>
<td>Linguistics and Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 420</td>
<td>Language and the Mind</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 430</td>
<td>Field Methods</td>
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</tr>
<tr>
<td>LNGN 445</td>
<td>Natural Language Processing</td>
<td>3</td>
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<tr>
<td>LNGN 450</td>
<td>Selected Topics in Linguistics</td>
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<tr>
<td>LNGN 451</td>
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<td>3</td>
</tr>
<tr>
<td>LNGN 478</td>
<td>Independent Study</td>
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</tr>
<tr>
<td>LNGN 479</td>
<td>Independent Study</td>
<td>3</td>
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<td>PSYC 348</td>
<td>Psycholinguistics</td>
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</tr>
<tr>
<td>PSYC 490</td>
<td>Seminar in Cognitive Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total 36**

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### Linguistics Major with TESL Certification

**Required Courses for All Majors:** (24 Semester Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 210</td>
<td>Introduction to General Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 220</td>
<td>Structure of American English</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 230</td>
<td>Language in Society</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 245</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 300</td>
<td>Syntax</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 301</td>
<td>Semantics</td>
<td>3</td>
</tr>
<tr>
<td>OR LNGN 302</td>
<td>Pragmatics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 310</td>
<td>Morphology</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 322</td>
<td>Phonology</td>
<td>3</td>
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**Electives for TESL Certification:** (12 Semester Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 280</td>
<td>Bilingualism</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 284</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 301</td>
<td>Semantics</td>
<td>3</td>
</tr>
<tr>
<td>OR LNGN 302</td>
<td>Pragmatics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 325</td>
<td>Principles of Second Language Learning</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 384</td>
<td>The Grammars of English</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 420</td>
<td>Language and the Mind</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 450</td>
<td>Selected Topics in Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 478</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 479</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 348</td>
<td>Psycholinguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

To be eligible for TESL certification students must also be admitted to and fulfill requirements for the Teacher Education Program described elsewhere in this catalog. See Index. Students must have a minimum grade point average (GPA) of 3.0 in their Linguistics courses and a 2.75 GPA overall to be admitted to this program.

### Electives for TESL Certification:** (12 Semester Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 260</td>
<td>Dialectology</td>
<td>3</td>
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<tr>
<td>LNGN 280</td>
<td>Bilingualism</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 284</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 301</td>
<td>Semantics</td>
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<tr>
<td>OR LNGN 302</td>
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<tr>
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<td>3</td>
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<tr>
<td>LNGN 384</td>
<td>The Grammars of English</td>
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<tr>
<td>LNGN 420</td>
<td>Language and the Mind</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 450</td>
<td>Selected Topics in Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 478</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 479</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 348</td>
<td>Psycholinguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

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### Linguistics Minor

**Required Course**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 210</td>
<td>Introduction to General Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select 15 semester hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 220</td>
<td>Structure of American English</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 230</td>
<td>Language in Society</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 245</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 255</td>
<td>Language and Gender</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 260</td>
<td>Dialectology</td>
<td>3</td>
</tr>
</tbody>
</table>
### Certification Program in Teaching English as a Second Language (TESL) as a Second Teaching Field

#### Linguistics and ESL Methodology:

**Six Required Courses:** (18 Semester Hours)  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 210</td>
<td>Introduction to General Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 220</td>
<td>Structure of American English</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 245</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 325</td>
<td>Principles of Second Language Learning</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 403</td>
<td>Methods and Materials of TESL</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 405</td>
<td>Field Experience in TESL</td>
<td>3</td>
</tr>
</tbody>
</table>

**Four Recommended Courses:** (12 Semester Hours)  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNGN 230</td>
<td>Language in Society</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 260</td>
<td>Dialectology</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 280</td>
<td>Bilingualism</td>
<td>3</td>
</tr>
<tr>
<td>LNGN 284</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 348</td>
<td>Psycholinguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### English as a Second Language (ESL)

The Linguistics Department offers a full sequence of courses in academic English as a Second Language for students whose first language is not English. Class placement is determined through Language Placement Testing. See index.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESOL 051</td>
<td>Intensive ESL I</td>
<td>6</td>
</tr>
<tr>
<td>ESOL 152</td>
<td>Intensive ESL II</td>
<td>6</td>
</tr>
<tr>
<td>ESOL 153</td>
<td>Intensive ESL III</td>
<td>6</td>
</tr>
<tr>
<td>ESOL 154</td>
<td>Intensive ESL IV Advanced Composition</td>
<td>6</td>
</tr>
<tr>
<td>ESOL 161</td>
<td>Intermediate Listening and Speaking Skills for Second Language Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 162</td>
<td>Intermediate Academic Reading for Second Language Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 163</td>
<td>Intermediate Academic Writing for Second Language Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 171</td>
<td>Academic Listening and Speaking</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 172</td>
<td>Academic Reading</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 173</td>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 310</td>
<td>ESL - Advanced Oral Skills</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 311</td>
<td>ESL - Advanced Listening Comprehension</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 400</td>
<td>English and Academic Skills</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 420</td>
<td>Research Paper Writing for Advanced Second Language Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESOL 450</td>
<td>Selected Topics in ESL</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Semester Hours | 18 |

#### Courses of Instruction

**AMSL 101**  
BEGINNING AMERICAN SIGN LANGUAGE I  
3.0  
This course introduces students to American Sign Language (ASL). Students will master basic structures of ASL. They will acquire a sizeable vocabulary, and they will achieve the ability to participate in conversations on a variety of topics. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.  
**Prerequisite:** Special fee.

**AMSL 102**  
BEGINNING AMERICAN SIGN LANGUAGE II  
3.0  
This course is a continuation of AMSL 101 and is designed to further students' command of American Sign Language (ASL). They will learn additional ASL structures; they will add to their vocabulary; and they will improve their fluency in conversation. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.  
**Prerequisite:** AMSL 101. Special fee.

**AMSL 201**  
INTERMEDIATE AMERICAN SIGN LANGUAGE I  
3.0  
This course builds on the skills acquired in Beginning ASL I and II. Emphasis will be on acquiring the ability to use ASL to converse about a wider range of topics. Students will increase their vocabularies, learn additional sentence types, and improve their skills in the use of the Manual Alphabet.  
**Prerequisite:** AMSL 102. Special fee.

**AMSL 202**  
INTERMEDIATE AMERICAN SIGN LANGUAGE II  
3.0  
This course is a continuation of AMSL 201. In addition to an increased vocabulary and greater fluency in the use of ASL, students will learn several structures that are absent from English and many other familiar languages.  
**Prerequisite:** AMSL 201. Special fee.

**ARBC 101**  
BEGINNING ARABIC I  
3.0  
A basic introduction to the Arabic language, with emphasis on speaking, reading, writing, and listening through classroom activities. Cross listed with French, German, and Russian. ARAB 101. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.

**ARBC 112**  
BEGINNING ARABIC II  
3.0  
For students who have completed Beginning Arabic I. Continuation of basic skills, intensive vocabulary practice through reading texts on culture and life of the Arabic-speaking world. Cross listed with French, German, and Russian. ARAB 112. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.

**ARBC 121**  
INTERMEDIATE ARABIC I  
3.0  
This course is designed for students who have completed Beginning Arabic I and Beginning Arabic II at Montclair State University or students who have been placed at this level. The course builds on the listening skills developed in Beginning Arabic but focuses on reading and writing using representative literature studies of Arab culture. Laboratory work available. Cross listed with French, German, and Russian ARAB 121.

**ARBC 132**  
INTERMEDIATE ARABIC II  
3.0  
For students who have completed Intermediate Arabic I at Montclair State University or students who have been placed at this level. Advanced development of listening comprehension, speaking, reading, and writing through the study of authentic texts, representative works and characteristic aspects of Arab life and culture. Laboratory work is available. Cross listed with French, German and Russian, ARAB 132.

**CHIN 101**  
BEGINNING CHINESE I  
3.0  
The first semester of an introduction to the Chinese language (Mandarin), focusing mainly on speaking and comprehension, with secondary emphasis on reading and writing. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.  
**Prerequisite:** Special fee.
Prerequisite: ESOL 152 or placement examination. Special fee.

**CHIN 201**
INTERMEDIATE CHINESE I 3.0
This is the first semester of a second year course in the Chinese language (Mandarin). The course will continue to build the skills in spoken Chinese developed in Beginning Chinese I and II. However, the focus of this course will be reading and listening. The reading and writing components will be gradually increased to at least fifty per cent of the course content. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: CHIN 101 or equivalent. Special fee.

**ESOL 051**
INTENSIVE ESL I 6.0
This course is the first in a sequence of four courses for students whose first language is not English. The course aims to develop all four language skills: listening, speaking, reading and writing emphasizing listening comprehension and speaking. The class will meet twice a week for two and one half hours each session. Credits not applicable toward graduation.
Prerequisite: Placement examination required. Special fee.

**ESOL 152**
INTENSIVE ESL II 6.0
The course is the second in a sequence of four courses for students whose first language is not English. The course aims to continue the development of all four skills: listening, speaking, reading, writing, with special emphasis on reading and vocabulary development. The class will meet twice a week for two and one half hours.
Prerequisite: ESOL 051 or placement examination. Special fee.

**ESOL 153**
INTENSIVE ESL III 6.0
This is the third in a sequence of four courses for students whose first language is not English. The course is a continuation of ESL II with increased emphasis on reading and writing. The course meets twice a week for two and one half hours.
Prerequisite: ESOL 152 or placement examination. Special fee.

**ESOL 154**
INTENSIVE ESL IV ADVANCED COMPOSITION 6.0
This is the fourth in a sequence of four courses for students whose first language is not English. The course continues working on speaking, listening and reading skills but puts primary emphasis on formal writing. Students will write compositions, essays, etc. focusing on the techniques necessary for academic writing. The class will meet twice a week for two and one half hours.
Prerequisite: ESOL 153 or placement examination. Special fee.

**ESOL 161**
INTERMEDIATE LISTENING AND SPEAKING SKILLS FOR SECOND LANGUAGE LEARNERS 3.0
This course is an intermediate level course for learners of English. The major focus of the course is on developing fluency and accuracy in speaking and understanding English. Students will learn to narrate, describe, and use outlines and notes to organize presentations. They will also be exposed to authentic English discourse so that they learn to listen for the main idea, identify supporting details, and recognize digressions in conversation as well as in more formal speech.
Prerequisite: ESOL 152 or placement examination. Special fee.

**ESOL 162**
INTERMEDIATE ACADEMIC READING FOR SECOND LANGUAGE LEARNERS 3.0
This is an intermediate level course for learners of English. The course focuses on the development of reading for fluency (without translation) to help students develop the skills necessary for success in college-level courses taught in English. Students will read academically-oriented materials and explore more culturally-based selections such as commercials and advertisements.
Prerequisite: ESOL 152 or placement examination.

**ESOL 163**
INTERMEDIATE ACADEMIC WRITING FOR SECOND LANGUAGE LEARNERS 3.0
This is an intermediate level course for learners of English. The course introduces the student to the process of writing and focuses on the development of paragraphs. As students move from personal to academic writing, linguistic accuracy will be refined through an intensive review of grammar, punctuation and sentence structure.
Prerequisite: ESOL 152 or placement examination. Special fee.

**ESOL 171**
ACADEMIC LISTENING AND SPEAKING 3.0
This is an advanced level course for learners of English. The major focus of the course is on developing the oral communication skills necessary for participation in university level courses taught in English. During the course, students will practice pronunciation, grammatical and listening comprehension skills. Strategies of classroom interaction will also be integrated into the coursework.
Prerequisite: ESOL 161 or placement examination. Special fee.

**ESOL 172**
ACADEMIC READING 3.0
This is an advanced level course for students whose native language is not English. The major focus of this course is the preparation of written work in academic English, which is characteristic of university level texts. During the course, students will read texts, participate in classroom discussions and prepare written work based on the texts.
Prerequisite: ESOL 162 or placement examination.

**ESOL 173**
ACADEMIC WRITING 3.0
This is an advanced level course for students whose native language is not English. The major focus of this course is the preparation of written work in academic English. During the course, students will prepare assignments typical of the kinds of writing required in university level content courses in the United States.
Prerequisite: ESOL 163 or placement examination. Special fee.

**ESOL 310**
Esl - ADVANCED ORAL SKILLS 3.0
This course is designed to improve the oral language skills of non-native English speakers whose background has emphasized the skills of reading and writing. The course is intended to help develop oral proficiency in students whose oral comprehension and ability to make themselves understood is weak. The course will concentrate on the skill of speaking.
Prerequisite: ESOL 152 or 153 or 154. Special fee.

**ESOL 311**
Esl - ADVANCED LISTENING COMPREHENSION 3.0
This course is designed to improve the comprehension of spoken English by the non-native speaker whose writing and speaking is acceptable but who has difficulty following classroom lectures and conversations among English speakers.
Prerequisite: ESOL 152 or 153 or 154. Special fee.

**ESOL 400**
ENGLISH AND ACADEMIC SKILLS 3.0
This course is designed to prepare international graduate students whose English skills need improvement for academic success in classes where English is the medium of instruction. The course will have two major goals: to enhance the students' ability to do academic work in English and to develop in the students an understanding of the culture of North American classrooms.
Prerequisite: Placement examination required. Special fee.
ESOL 420
RESEARCH PAPER WRITING FOR ADVANCED SECOND LANGUAGE LEARNERS 3.0
This is an advanced level course for students whose native language is not English. Students will learn the process (generating topics, formulating theses, drafting, documenting sources, revising, editing and proofreading) of writing a research paper. Students may take this course in conjunction with a content area course requiring a research paper and use the content course paper to meet the requirements of this course.
Prerequisite: ESOL 175 or ESOL 400 or placement examination. Special fee.

ESOL 450
SELECTED TOPICS IN ESL 3.0
Study of English as a second language for special purposes (for example, English for Business or English for History) or the study of particular aspects of English as a second language (for example, Accent Reduction or Note Taking). Topics announced each semester.
Prerequisite: Placement examination or departmental approval.

JAPN 101
BEGINNING JAPANESE I 3.0
A basic introduction to the Japanese language, with emphasis on speaking and understanding. The fundamentals of the Japanese writing system will also be introduced. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

JAPN 102
BEGINNING JAPANESE II 3.0
Prerequisite: JAPN 101 or equivalent. Special fee.

JAPN 201
INTERMEDIATE JAPANESE I 3.0
This course continues JAPN 101 and 102 Beginning Japanese I and II and will build on the skills that students have developed in those courses. Students will learn to use a wider variety of more complex structures; they will acquire significantly increased vocabulary; they will improve their pronunciation; and they will gradually gain mastery of the two most difficult aspects of Japanese: its writing system and its system of honorifics. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: JAPN 102 or equivalent. Special fee.

JAPN 202
INTERMEDIATE JAPANESE II 3.0
This course builds on the skills that students have developed in JAPN 201 and will help the students refine their mastery of the spoken and written language, the vocabulary, the grammar, and the writing system. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: JAPN 201 or equivalent. Special fee.

LNGN 210
INTRODUCTION TO GENERAL LINGUISTICS 3.0
The nature and structure of language; the basic techniques for analyzing linguistic structures; phonological, morphological, syntactic and semantic structure of languages, language and dialects; language change; the comparative method in linguistics; human and animal communication; differences between first and second language learning. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Survey Course.

LNGN 220
STRUCTURE OF AMERICAN ENGLISH 3.0
The phonology, morphology, syntax of American English, geographical and social dialects; traditional, structural and transformational approaches to grammar. Meets the 1983 General Education Requirement (GER)–Foreign Language.

LNGN 230
LANGUAGE IN SOCIETY 3.0
Correlations between language varieties, their functions in particular settings, and the characteristics of their speakers. Black English. The role of second languages within a society: Pidgin, Creole, Lingua Franca, Diglossia, etc. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.

LNGN 240
LANGUAGES OF THE WORLD 3.0
A survey of the languages of the world from the dual perspectives of their genealogical classification and their typological (or structural) characteristics. It is intended for both majors and non-majors, and presupposes no previous linguistic training.

LNGN 245
LANGUAGE AND CULTURE 3.0

LNGN 250
LANGUAGE OF PROPAGANDA 3.0
This course is a multidisciplinary approach to the study of the use of language to manipulate and influence opinions via advertising, innuendo, jargon, emotive language, etc. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

LNGN 255
LANGUAGE AND GENDER 3.0

LNGN 260
DIALECTOLOGY 3.0
Principles of dialect study; application to American dialects. The origin and development of American dialects in historical, literary, regional, social and urban perspectives.

LNGN 270
HISTORY OF LINGUISTICS 3.0
Linguistics from the ancient Sanskrit grammarians to the present. Present-day 'schools': structuralism, generative grammar, Prague school, London school, tagmemics, stratificational grammar, transformational grammar.

LNGN 280
BILINGUALISM 3.0
Compound and coordinate bilingualism; attitudes, motivation, etc.; functions of languages in multilingual settings; problems of newly-independent, multi-lingual nations in establishing national and standardized languages; analysis of bilingual speech; problems of educating minority groups in this country whose native language is not English.

LNGN 284
HISTORY OF THE ENGLISH LANGUAGE 3.0
English from its Indo-European origins up to and including the eighteenth-century grammarians. The Germanic strains; old, middle and modern English.

LNGN 290
LANGUAGE OF THE LAW 3.0
This course explores the interface between language and our legal system. Students study the history of legal language up to the present day. Topics to be covered include, among others, the impact of (il)literacy on the law, the linguistic ramifications of governing bilingual societies, the functions of written laws and legal language, and the social psychological impact of language use in modern-day litigation. Cross listed with Legal Studies, LSPA 290.
LNGN 300
SYNTAX 3.0
The study of sentence structure and the theories designed to describe it. Emphasis on structural grammar, the development of Generative Grammar and contemporary theoretical methods for describing sentence structure. Data will be taken from a number of different languages. Meets the University Writing Requirement for LIED, LNG majors.
Prerequisite: LNGN 210 or departmental approval.

LNGN 301
SEMANTICS 3.0
The systematic and objective study of meaning in language. Topics include: referential meaning, semantic fields, componential analysis, synonymy, polysemny, hyponymy and sequential meaning. Data will be taken from a number of different languages.
Prerequisite: LNGN 300.

LNGN 302
PRAGMATICS 3.0
The study of pragmatics, an area of linguistics that examines language as situated speech and studies how context affects the interpretation of meaning.
Prerequisite: LNGN 300.

LNGN 310
MORPHOLOGY 3.0
Morphology is the study of the structure of words. Students will learn to analyze words by working with data from many languages, and they will study the kinds of morphological systems that exist in the languages of the world.
Prerequisite: LNGN 210.

LNGN 325
PRINCIPLES OF SECOND LANGUAGE LEARNING 3.0
Theories of second language acquisition; error analysis; individual learner differences; the roles of input, interaction, and formal instruction in language acquisition.

LNGN 331
PHONETICS 3.0
A comprehensive introduction to phonetics, the study of the production of speech sounds and their acoustic characteristics. Students will learn to identify, classify, and transcribe sounds from a variety of languages. While intended primarily for Linguistics majors, this course will also be of interest to prospective language teachers and to majors in Speech, in Psychology, and in Communication Sciences and Disorders.
Prerequisite: Special fee.

LNGN 332
PHONOLOGY 3.0
Phonology studies how languages make use of a particular subset of all the possible speech sounds in a systematic way to produce meaningful units like words and sentences. The objectives of this course will be to give students experience in analyzing phonological data from a wide variety of languages and to survey current theories of phonology.
Prerequisites: LNGN 331.

LNGN 370
COMPARATIVE AND HISTORICAL LINGUISTICS 3.0
Similarities and differences among languages and language families at one point in time and as these develop in time; reconstructing the common ancestor of related languages and determining general laws of linguistic change.

LNGN 384
THE GRAMMARS OF ENGLISH 3.0
A critical overview of traditional, structural, and transformational-generative approaches to the problems of analyzing the grammar of the English language; practical applications for teaching English and for understanding grammatical principles as a means of more effective writing and literary analysis. Cross listed with English, ENGM 384.

LNGN 403
METHODS AND MATERIALS OF TESL 3.0
The theory and practice of ESL instruction covering the major methodologies, planning lessons, testing language skills, selecting and developing materials and related topics.

LNGN 405
FIELD EXPERIENCE IN TEACHING ENGLISH AS A SECOND LANGUAGE 3.0
Opportunity to teach English as a second language will be arranged for each student in the program.

LNGN 420
LANGUAGE AND THE MIND 3.0
An introduction to the major theoretical and methodological principles of Noam Chomsky's theory of Universal Grammar and what they tell us about structure of the human mind.
Prerequisite: LNGN 210 or PSYC 290.

LNGN 430
FIELD METHODS 3.0
Collecting linguistic data from an informant; human factors in field work; qualifications of the informant; elicitation techniques.

LNGN 445
NATURAL LANGUAGE PROCESSING 3.0
This course introduces students to the field of Natural Language Processing, that is, of the applications of computer technology to linguistics. The major topics will include language generation, syntactic parsing, and the analysis and synthesis of speech. Students will learn to write programs in PROLOG, one of the most widely used computer languages in language and artificial intelligence applications.
Prerequisite: Special fee.

LNGN 450
SELECTED TOPICS IN LINGUISTICS 3.0
Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.

LNGN 451
SELECTED TOPICS IN LINGUISTICS 3.0
Study of special problems and topics in linguistics. Topics announced each semester.
Prerequisite: Departmental approval.

LNGN 460
TOPICS IN THE STRUCTURE OF A SELECTED LANGUAGE 3.0
An exploration of a single topic or a small set of topics related to a specific language. Selections of the topic(s) and language will depend on the interests of the students and the instructor, and on the availability of relevant material. The topics will be of general relevance to linguistics, and might relate to phonological, morphological, syntactic, semantic, sociolinguistic, historical, or other issues.
Prerequisite: Departmental approval.

LNGN 478
INDEPENDENT STUDY 3.0
This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.

LNGN 479
INDEPENDENT STUDY 3.0
This course is designed (1) to allow students to explore areas of linguistics that are not covered in the normal course offerings of the department; (2) to permit an in-depth analysis of a given subject beyond the scope of a regular semester course; or (3) to provide advanced students with the possibility of research in areas of linguistics that are of special interest to them.
Prerequisite: Departmental approval.
## MANAGEMENT

### SCHOOL OF BUSINESS ADMINISTRATION

**Chairperson: Byung Min**

The department offers a Bachelor of Science degree in Business Administration with a concentration in Management. Students whose concentration is in Management learn about the actual operation of business organization and how to be an effective business leader/manager. Managers must have a thorough understanding of human behavior in organizations in this 21st century's global business environment. Management students will be given opportunities to develop managerial skills in human resources management, small business management, interpersonal relations, international business management and/or strategic management.

The program eligibility requirements for this program are listed in this catalog under "Business Administration". Please refer to the index for the page number.

### Business Administration Major

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 201</td>
<td>Fundamentals of Financial Accounting</td>
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</tr>
<tr>
<td>ACCT 202</td>
<td>Fundamentals of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BSLW 264</td>
<td>Legal, Ethical and Global Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FINC 321</td>
<td>Fundamentals of Finance</td>
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<tr>
<td>INFO 270</td>
<td>Statistics for Business</td>
<td>3</td>
</tr>
<tr>
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<td>Management Information Systems</td>
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</tr>
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<td>INFO 375</td>
<td>Operations Analysis</td>
<td>3</td>
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<tr>
<td>MGMT 231</td>
<td>Management Processes</td>
<td>3</td>
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<td>MGMT 439</td>
<td>Business Policy</td>
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<tr>
<td>MKTG 240</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 346</td>
<td>Introduction to International Business</td>
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</table>

#### Collateral Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>ECON 101</td>
<td>Principles of Economics: Macro</td>
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<tr>
<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
<td>3</td>
</tr>
<tr>
<td>INFO 273</td>
<td>Introduction to Computers in Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Mathematics for Business II: Calculus</td>
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</table>

### Concentration in Management

The concentration in management provides professional education in organization theory and behavior, the management of human resources, operations, and small business management.

#### Required Courses

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>MGMT 316</td>
<td>Human Resources Management</td>
<td>3</td>
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<tr>
<td>MGMT 495</td>
<td>Contemporary Issues in Management</td>
<td>3</td>
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</table>

Select 2 courses from the following list of approved electives............6

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MGMT 315</td>
<td>Organizational Behavior</td>
<td>3</td>
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<tr>
<td>MGMT 318</td>
<td>Motivation and Leadership</td>
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<tr>
<td>MGMT 327</td>
<td>Training, Development and Career Planning</td>
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</tr>
<tr>
<td>MGMT 331</td>
<td>Family Business</td>
<td>3</td>
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<tr>
<td>MGMT 335</td>
<td>Small Business Management</td>
<td>3</td>
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<td>MGMT 336</td>
<td>International Business Management</td>
<td>3</td>
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<tr>
<td>MGMT 363</td>
<td>Business and Society</td>
<td>3</td>
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<tr>
<td>MGMT 392</td>
<td>Management Internship</td>
<td>3</td>
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<tr>
<td>MGMT 414</td>
<td>Management Theories: Behavioral Approaches</td>
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<tr>
<td>MGMT 415</td>
<td>Organizational Theory: Macro Approaches</td>
<td>3</td>
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<tr>
<td>MGMT 416</td>
<td>Problems in Human Resources Management</td>
<td>3</td>
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<tr>
<td>MGMT 417</td>
<td>Compensation Management</td>
<td>3</td>
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<tr>
<td>MGMT 433</td>
<td>Entrepreneurship and Innovation</td>
<td>3</td>
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<tr>
<td>MGMT 434</td>
<td>Comparative Management Systems</td>
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<td>MGMT 435</td>
<td>Organizational Development and Change</td>
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<tr>
<td>MGMT 436</td>
<td>Project Management</td>
<td>3</td>
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<tr>
<td>MGMT 491</td>
<td>Small Business Institute</td>
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<tr>
<td>MGMT 492</td>
<td>Selected Topics in Management</td>
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</table>

### Business Administration Electives

Select 15 semester hours from the appropriate list to be obtained from the department ..........................................................15

### Courses of Instruction

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>MGMT 231</td>
<td>MANAGEMENT PROCESSES</td>
<td>3.0</td>
</tr>
<tr>
<td>MGMT 315</td>
<td>ORGANIZATIONAL BEHAVIOR</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**MGMT 231 MANAGEMENT PROCESSES**

To provide undergraduate students a review of classical and modern approaches to the managerial process as it relates to the manager’s functions of planning, organizing, communication, motivation, leading, controlling and managing change. Emphasizing new forces in the managerial environment such as workplace diversity and economic globalization, these reviews will be tied to the open-system model and the contingency approach as overall frameworks for understanding organizations and management.

**MGMT 315 ORGANIZATIONAL BEHAVIOR**

Major approaches to the study of organizations. Organizational systems and structure, systems of communication, power and influence, organizational conflict, coordination and control, leadership, motivation, interpersonal dynamics and change and renewal.

**Prerequisite:** MGMT 231.

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<table>
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<tr>
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<th>Semester Hours</th>
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<tbody>
<tr>
<td>MGMT 316</td>
<td>HUMAN RESOURCE MANAGEMENT</td>
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<tr>
<td>MGMT 318</td>
<td>MOTIVATION AND LEADERSHIP</td>
<td>3.0</td>
</tr>
<tr>
<td>MGMT 327</td>
<td>TRAINING, DEVELOPMENT, AND CAREER PLANNING</td>
<td>3.0</td>
</tr>
<tr>
<td>MGMT 331</td>
<td>FAMILY BUSINESS</td>
<td>3.0</td>
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<tr>
<td>MGMT 335</td>
<td>SMALL BUSINESS MANAGEMENT</td>
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</tr>
<tr>
<td>MGMT 336</td>
<td>INTERNATIONAL BUSINESS MANAGEMENT</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**MGMT 316 HUMAN RESOURCE MANAGEMENT**

Motivating managerial and non-managerial employees; effective use of human resources in the organization. The personnel function, techniques of job analysis, description and evaluation, and overall organizational development particularly with minority group members and female employees. Meets the University Writing Requirement for BAIB, BAMG majors.

**Prerequisites:** MGMT 231: junior standing; Business Administration, Allied Health Services, Recreation Professions and Human Ecology majors only.

**MGMT 318 MOTIVATION AND LEADERSHIP**

In-depth analysis of the human element; analytical models to assist in the solution of leadership problems in an organizational context. Techniques of analysis and the psychology of self-esteem. Motivational problems facing first-line, middle, and top level managers in professional and nonprofessional work activities. The development of skills for practical application case studies.

**Prerequisite:** MGMT 231.

**MGMT 327 TRAINING, DEVELOPMENT, AND CAREER PLANNING**

Theory and design of training, development and career planning programs. Assessment of training needs, training and development methods and procedures for evaluating training are considered. Some emphasis is placed on the development of managerial skills through student workshops.

**Prerequisite:** MGMT 316.

**MGMT 331 FAMILY BUSINESS**

Family businesses are an important force in the U.S. economy, contributing over 50% of the country's gross domestic product. This course explores unique challenges and opportunities involved in managing a family business. Some key issues to be covered are dynamics of family interactions with family business culture, market strengths and weaknesses of family-owned firms, and leadership succession. May be repeated once for a total of six credits.

**Prerequisite:** MGMT 231.

**MGMT 335 SMALL BUSINESS MANAGEMENT**

The problems and opportunities of starting and operating a small business. Capital accumulation, adapting technologies to specialized needs, assessing local market opportunities, governmental aids, establishing working relationships with large organizations and problems of growth.

**Prerequisites:** ACCT 202 and ECON 101 and ECON 102 and MGMT 231 and MKTG 240.

**MGMT 336 INTERNATIONAL BUSINESS MANAGEMENT**

Managing organizations in foreign markets is much more complex than managing them in the domestic market. This course emphasizes international/cross-cultural management, including the impact of the foreign country's culture, legal system, government, economics, technology, and political system on entry strategies, organizational structures, leadership styles, motivation techniques, human resources management, and controls.

**Prerequisite:** MGMT 231.
MGMT 363
BUSINESS AND SOCIETY 3.0
Business as an institution in our pluralistic society; its relationship with other societal elements such as government, academia, labor and the consumer. American business past, present and future; strengths, weaknesses and overall contribution to society; ecology, minority groups and the quantity and quality of economic growth. Meets 1983 the General Education Requirement (GER)--Contemporary Issues.

MGMT 392
MANAGEMENT INTERNSHIP 3.0
The Management Internship posts the student to a real business to perform actual management tasks in a going business concern. The student focuses on the practical needs of the business while maintaining liaison with a course coordinator in the Department of Management. Compensation for the assignment is at the discretion of the firm. The firm will assign and monitor meaningful intern tasks and achievements. The primary evaluator of student achievement is the host business supervisor. May only be taken for one semester for credit.
Prerequisites: MGMT 231 and MGMT 316; senior standing; Management concentration students only; department approval.

MGMT 414
MANAGEMENT THEORIES: BEHAVIORAL APPROACHES 3.0
Advanced analysis of the most recent developments in the behavioral sciences as a basis for practical applications in the management of organizations. Special emphasis on techniques drawn from several behavioral models including approaches such as transactional analysis and behavior modification.
Prerequisite: MGMT 231.

MGMT 415
ORGANIZATIONAL THEORY: MACRO APPROACHES 3.0
A detailed analysis using the most up-to-date theories in the field of organizational analysis as it pertains to the management of organizations. Emphasis is placed on the application and understanding of macro models of human behavior in organizations to include such approaches as natural, rational and open systems models.
Prerequisite: MGMT 231 or MGMT 316.

MGMT 416
PROBLEMS IN HUMAN RESOURCES MANAGEMENT 3.0
A review of the principal personnel functions with respect to current research from the behavioral sciences that impact human resources management practices. Emphasis is on the solution of typical problems and the making of sound personnel decisions based on legal cases, scientific results relative to selection, tracking, performance appraisal, manpower planning and compensation.
Prerequisites: MGMT 316; Management concentration students only.

MGMT 417
COMPENSATION MANAGEMENT 3.0
Theory and practice in employee age and salary administration in both business and non-business organization. Traditional job evaluation methods and survey techniques are presented with emphasis on both the economic and behavioral effects of compensation practices.
Prerequisites: MGMT 316; Business Administration majors.

MGMT 433
ENTREPRENEURSHIP AND INNOVATION 3.0
Attitudes and perspectives for effecting meaningful and profitable change. Concepts of creativity, optimum use of resources, and the impact of technological change. Anticipating needs and wants of all groups influenced by the enterprise; examples of successful entrepreneurship, role-playing and situational exercises.
Prerequisite: MGMT 231 and FINC 321 and MKTG 240.

MGMT 434
COMPARATIVE MANAGEMENT SYSTEMS 3.0
Multi-national corporations expanding into areas with new sociological and cultural constraints. Problems of management in the public sector as contrasted with the private sector. Management in newly-developed economies and in highly-industrialized economies; public corporations, non-profit organizations, mixed enterprise.
Prerequisite: MGMT 231.

MGMT 435
ORGANIZATIONAL DEVELOPMENT AND CHANGE 3.0
Purpose of this course is to develop an understanding of and some skill in the process of planning, introducing, and managing change in organizations. Considerable time will be devoted to the role of the manager as a change agent. Cases and experiential exercises will be used to illustrate the various phases of the change process as well as the different change techniques available.
Prerequisites: MGMT 231; majors only; departmental approval.

MGMT 436
PROJECT MANAGEMENT 3.0
This course prepares students to develop a project management plan, develop schedules, estimate personnel requirements and estimate costs and delays for typical project management problems in business. May be repeated once for a total of six semester hours.
Prerequisites: MGMT 231 and MGMT 316 and INFO 375.

MGMT 439
STRATEGIC MANAGEMENT 3.0
This is the capstone course in the Business curriculum which requires students to integrate and build on the knowledge and skills acquired in the business core courses. The course emphasizes the use of business skills in the formulation and implementation of strategy through processes such as stake holder audits, industry analysis, value chain analysis, identification of capabilities and competence, and business and corporate strategy selection in both the domestic and international context. To accomplish this the case study instructional method is used as the primary format.
Prerequisites: ACCT 202 and FINC 321 and MGMT 231 and MKTG 240; senior standing; School of Business majors only.

MGMT 491
SMALL BUSINESS INSTITUTE 3.0
A field studies course providing management assistance to small businesses in the local community. Student work individually or in small groups under faculty supervision directly with a small business person who has requested their counseling services. Students gain experience in problem solving and in applying marketing, accounting, finance and/or management concepts to actual business situations. The course is focused on the preparation and delivery of the students’ consulting report to the client at the end of the semester.
Prerequisites: MGMT 231, MKTG 240, FINC 321.

MGMT 492
SELECTED TOPICS IN MANAGEMENT 1.0-3.0
The content of this course varies with each offering. Its purpose is to provide for the comprehensive development and study of an advanced topic of current interest not covered in-depth in the regular curriculum. Examples of topics covered in the past include: labor relations; women in management; and data base management systems.
Prerequisite: Departmental approval.

MGMT 495
CONTEMPORARY ISSUES IN MANAGEMENT 3.0
The capstone course in management that addresses issues at the forefront of management practice and scholarship. Delivered in a seminar and experiential format, this course will cover topics such as Teams and Teamwork, Learning Organizations and Creativity, and New Forms of Organizing such as telecommuting.
Prerequisites: Senior standing; MGMT 231 and MKTG 346 and INFO 371.
MARKETING

SCHOOL OF BUSINESS
Chairperson: John McGinnis

Marketing as a discipline involves itself with analyzing consumer and industrial needs in a constantly changing environment. Marketing managers then take this information and reflect it in an appropriate marketing strategy that is congruent with those needs.

The programs in this department provide students with a knowledge of the theoretical and practical aspects of the discipline. Courses in advertising, consumer behavior, sales concepts and practices, retail store marketing and management, marketing research and strategies prepare students for entry-level positions and potential advancement in marketing careers. Our program in international business provides awareness of international market opportunities, export/import licensing and a well chosen sequence of courses sharpening analytical, creative, and decision-making skills.

The department offers a Bachelor of Science degree in Business Administration with the following three concentrations available: International Business; Marketing; and Retail Merchandising and Management. The program eligibility requirements for this program are listed in this catalog under “Business Administration”. Please refer to the index for the page number.

Business Administration Major

Required Courses

<table>
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<tr>
<td>MGMT 231</td>
<td>Management Processes</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 439</td>
<td>Business Policy</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 240</td>
<td>Introduction to Marketing</td>
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<td>ECON 102</td>
<td>Principles of Economics: Micro</td>
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<tr>
<td>INFO 273</td>
<td>Introduction to Computers in Business</td>
<td>3</td>
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<tr>
<td>MATH 114</td>
<td>Mathematics for Business II</td>
<td>3</td>
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Concentration in Marketing

Required Courses

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<thead>
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<th>Credits</th>
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<tbody>
<tr>
<td>MKTG 442</td>
<td>Marketing Research</td>
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<tr>
<td>MKTG 446</td>
<td>Marketing Strategy and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 307</td>
<td>Retail Store Marketing and Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 341</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 443</td>
<td>Business to Business Marketing</td>
<td>3</td>
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Select one of the following:

- MKTG 307 Retail Store Marketing and Management
- MKTG 341 Consumer Behavior
- MKTG 443 Business to Business Marketing

Select any four courses from the list of approved Business Administration Electives.

Business Administration Electives

Select 12 semester hours from the list of approved Business Administration electives.

Concentration in International Business

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
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<td>ECON 402</td>
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<td>FINC 431</td>
<td>Advanced International Financial Management</td>
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<td>INBS 392</td>
<td>International Business Internship</td>
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<td>MKTG 347</td>
<td>Export/Import Marketing Process</td>
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<td>International Marketing</td>
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Select two courses from the following:

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<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 403</td>
<td>Comparative Economic Systems</td>
<td>3</td>
</tr>
<tr>
<td>FINC 327</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 431</td>
<td>Advanced International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>INBS 392</td>
<td>International Business Internship</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 347</td>
<td>Export/Import Marketing Process</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 349</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 440</td>
<td>International Retailing</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Administration Electives

Select any four courses from the list of approved Business Administration Electives.

Select any one from the following list

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 320</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 442</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 483</td>
<td>Seminar in Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 316</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration in Retail Merchandising and Management

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKTG 307</td>
<td>Retail Store Marketing and Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 309</td>
<td>Buying and Distribution Strategies</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 351</td>
<td>Supervised Work Experience and Seminar I</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 482</td>
<td>Independent Owned and Franchised Retailer</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 483</td>
<td>Seminar in Retail Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Administration Electives

Select 12 semester hours from the list of approved Business Administration Electives.

Courses of Instruction

INBS 392
INTERNATIONAL BUSINESS INTERNSHIP 1.0-3.0

Students are afforded an opportunity to apply classroom theoretics to practical international business issues. Working with regional small and mid-size businesses, the students' training allows them to compile database market feasibility studies for clients of the International Trade Counseling Center (ITCC). Additional assignments may include: evaluation of the firm's export readiness, basic export/import education, development of customized international marketing plans as well as information about documentation and licensing requirements.

Prerequisite: Departmental approval.

MKTG 240
INTRODUCTION TO MARKETING 3.0

This introductory course is designed to expose the student to the basic areas that comprise marketing as a discipline. Marketing is viewed as a process that must be integrated with all other business functions. The basic theories, concepts, language and tools of marketing are introduced and illustrations of their applicability to the business as well as non-profit sectors of the national economy with increasing stress on the global realities which affect the marketing function are addressed. The increasingly powerful global realities which affect marketing are treated with enhanced coverage.
MKTG 307
RETAIL STORE MARKETING AND MANAGEMENT 3.0
Detailed coverage of the organization of retail stores and the responsibilities in each area are important studies of this course. Problems involved in the operation of a retail organization, and the preparation for the opening of such a business are studied. The movement of merchandise from resources to the store (logistics) is part of the subject matter. The preparation of the merchandise for resale, the use of computers, uniform product codes, inventory control are primary subject areas covered. Subject matter includes current developments, challenges and dangers in retailing. The changes and challenges to shopping malls, the growth and effect of category killers and the consolidation of retail ownership are important areas discussed. Retail executives visit classroom to contribute to the class work.
Prerequisite: MKTG 240. Major within the School of Business; Human Ecology majors.

MKTG 309
BUYING AND DISTRIBUTION STRATEGIES 3.0
Buying practices that have changed since the development of giant retail organizations (Wal-Mart and Home Depot) are studied and the effect it has had on "traditional" buying. Other areas covered are the functions of the merchandise division and the job challenges today. Micro-retailing, the buying and merchandise problems of today's stores are covered. Physical handling, comparison shopping, planning the buyer's budget and the six-month buying plans are also important topics. Buying for fashion vs. staple merchandise is compared as are the different problems of buying for a large or small retail firm. Resident buying offices and foreign buying are important topics in this buying course.

MKTG 341
CONSUMER BEHAVIOR 3.0
An examination and analysis of consumer behavior related theories and concepts, which contribute towards successful domestic and international marketing management. This will include understanding behavioral science findings; market research techniques and consumer attitudes; socio-economic and demographic variables as they apply to end-user consumers.
Prerequisite: MKTG 240. Major within the School of Business; Human Ecology majors; Recreation Professions major.

MKTG 342
SALES CONCEPTS AND PRACTICES 3.0
Understanding the organization, administration and evaluation of the selling function within the firm. Topics will include: mechanics of the selling process, developing personal attributes necessary for a career in sales; selection, training, and supervision; performance evaluation; compensation and motivation of sales personnel and relationship with other marketing functions.
Prerequisite: MKTG 240.

MKTG 344
ADVERTISING THEORY AND TECHNIQUES 3.0
A broad introduction to advertising, promotion and marketing communications: historical roots of advertising; advertising from the viewpoint of clients, agencies and media; and both the marketing aspects (strategy development, account management) and creative aspects (copyrighting; art direction production and editing) of advertising. Covers all forms of advertising: print, broadcast; out-of-home; and the latest advertising media such as direct mail and response; cable TV; and internet/interactive. In addition to traditional lectures, guest lectures are provided by the advertising professionals. Students also have a practical opportunity to create ads and commercials.
Prerequisite: MKTG 240.

MKTG 345
SERVICE AND NONPROFIT MARKETING 3.0
While noting the increasingly blurred distinction between the manufacturing and service sectors in today's post industrial economies, the first half of this course focuses on the problems and issues surrounding the effective marketing of the intangible aspects of a product service offering. Current methods for researching and analyzing service markets are taught and then applied by students in marketing plan formulation and case analyses with particular stress placed on translating the intangible aspects of a service into more measurable and therefore, tangible characteristics aimed at enhancing customer satisfaction and retention. The second part of the course focuses on the nonprofit marketing, i.e., public and private nonprofit organizations. Students learn how to manage organizations such as government, religious, charitable, political, educational, and fund raising, institutions as well as marketing their endeavors more effectively.
Prerequisite: MKTG 240.

MKTG 346
INTRODUCTION TO INTERNATIONAL BUSINESS 3.0
The course is designed to introduce business majors to the dynamics of global economy, trade and development and its linkage with the U.S. economy. Business students will get acquainted with the fundamentals of international economics, foreign exchange, monetary systems and financial markets, international trade and investment, the role of international organizations and agencies, international marketing, international accounting systems and taxation, cultural challenge, management styles and practices across the nations.
Prerequisites: ECON 101 and ECON 102. Major within the School of Business; Human Ecology majors.

MKTG 347
EXPORT/IMPORT MARKETING PROCESS 3.0
This course will cover all aspects of the export/import function from a marketing process standpoint. Topics include: export/import policies related to the student's particular job assignment. This course is usually taken in the summer following the student's sophomore year. A faculty visitation to the job site is made.
Prerequisite: MKTG 346. Major within the School of Business.

MKTG 348
INTERNATIONAL MARKETING 3.0
This course reviews and compares the marketing efforts and specific strategies which firms employ in different cultural, political, economic, and legal environments. Students examine changing international markets, exploring how firms need to quickly adapt to global competition. Issues to be examined include global sourcing, international alliances, export regulation, regional trade areas, and the influence of multinational firms.
Prerequisite: MKTG 240 and MKTG 346; major within the School of Business.

MKTG 349
PHARMACEUTICAL AND HEALTH CARE MARKETING 3.0
A broad overview of the unique roles played by consumers, health care professionals, pharmacists, drug manufacturers, hospitals, clinics, government agencies, health insurers and others in this field that represents more than 20 percent of national GDP. Students learn how a complex mosaic of market, economic, social and governmental forces make these dynamic arenas in which to apply marketing theories, strategies and techniques. Team-teaching approach, as well as guest lecturers from the pharmaceutical and health care fields.
Prerequisite: MKTG 240.

MKTG 350
SUPERVISED WORK EXPERIENCE AND SEMINAR I 3.0
Full-time paid work experience (approximately 400 hours) in a cooperating department, mass merchandise (discount), specialty or limited-price variety store is required. An evening seminar on store activities and student experiences is held. Trainees are required to submit regular progress reports of the ten to twelve weeks of experience. Other assignments are given to the student related to the student's particular job assignment. This course is usually taken in the summer following the student's sophomore year. A faculty visitation to the job site is made.
Prerequisite: Departmental approval.

MKTG 351
EVENT MARKETING PRACTICUM 2.0-3.0
Students participate in the planning, promotion, and assessment of one or more major departmental events. Students will be introduced to project management tools (e.g., PERT) and principles of TQM by a faculty team leader/coach who will then guide students from the event's inception to its completion. In this process, students cultivate cross-functional team-building skills through continuous improvement of these annual events.
Prerequisite: Departmental approval.

MKTG 399
BUSINESS WORK EXPERIENCE II 3.0-6.0
Business Work Experience II integrates classroom study with supervised work experience and intensifies the experience gained through participation in Introduction to Business Work Experience. This course will develop, through practical experience, the student's expertise in the major field of study by providing a bridge from the academic environment to the world of the entering professional.
Prerequisite: Departmental approval.
MKTG 440
INTERNATIONAL RETAILING 3.0
A study of international retailing covering such areas as: (1) retail institutions
modi operandi variations from country to country, (2) effects of economic
growth, cultural, legal-political and technological environment, (3) the West
versus less developed countries in Asia, Africa, Latin America and the
emerging free Eastern Europe, (4) know-how of retailing: business concepts,
operating policies, managerial dimensions, (5) foreign direct investments in
retailing.
Prerequisite: MKTG 346.

MKTG 442
MARKETING RESEARCH 3.0
A broad overview of the many methods used to collect consumer, business and
market data and turn it into useful information for marketing decision-makers.
Starting with the historical factors leading to development of MR in America,
this course touches on all the vital theories, methods, and practices: secondary
research (including databases and computer literature searches); qualitative
(focus group) research; quantitative research (observational, surveys and
experiments); data analysis (coding, tabulation, and an introduction to multi-
variate techniques); and effective communication of research findings (written
reports, personal presentations, computer graphics and mapping.) The course
includes student research projects, field trips and a MR videotape series
produced at MSU, as well as traditional lectures. Meets the University Writing
Requirement for BAIB, BARM majors.
Prerequisite: MKTG 240, and INFO 270 or INFO 271.

MKTG 443
BUSINESS TO BUSINESS MARKETING 3.0
A managerial approach to marketing decision marketing from an organiza-
tional buyer perspective. Topics include: vendor and value-chain analysis,
understanding JIT/cycle time systems and inventory controls; sales forecast-
ing, market planning and strategy development grounded in a fundamental
understanding of all aspects of organizational buyer dynamics.
Prerequisite: MKTG 240; major within the School of Business.

MKTG 446
MARKETING STRATEGY AND IMPLEMENTATION 3.0
An analysis of the marketing planning process in relationship to overall
corporate strategic planning framework is presented from both a theoretical
and a practical perspective. An increased understanding of the many variables
involved in marketing decision-making and an awareness of current, more
sophisticated techniques used in such problem solving are analyzed. This
capstone course integrates materials from the entire marketing curriculum in
an applied format utilizing group case analysis, marketing simulations and
market/business plan production.
Prerequisite: Seniors only.
Prerequisite or Corequisite: MKTG 442.

MKTG 451
SUPERVISED WORK EXPERIENCE AND SEMINAR II 3.0
Student is expected to work (approximately 400 hours) at an acceptable
position in a retail store. The position must be more advanced in obligations
and responsibilities than in MKTG 351. This course gives the student the
opportunity to utilize the knowledge and experience obtained in the previous
summer's work experience. This more challenging and different position helps
the student understand the more complex responsibilities of a retail store. A
faculty visitation on the job site is made.
Prerequisite: MKTG 351.

MKTG 452
INDEPENDENT-OWNED AND FRANCHISED RETAILING 3.0
The opportunities and challenges of independent and franchised retail entre-
preneurship are explored. Emphasis is placed on the steps necessary to
establish a new retail venture and how to successfully compete with the
discount mass merchandisers which proliferate today's retail landscape.
Prerequisites: MKTG 240.

MKTG 483
SEMINAR IN RETAIL MANAGEMENT 3.0
Students analyze current trends/problems in the major retail segments and
study the "best practices" of the top domestic and international retailers. In
addition, the various ethical/legal dilemmas confronting today's retail execut-
tive are explored. Visiting experts, field trips, and reading assignments from
current retail trade journals are utilized to keep the course on the "cutting
dge." Students routinely use computer spreadsheets to analyze various retail
problems and assist their decision-making. Meets the University Writing
Requirement for BAIB, BARM majors.
Prerequisites: Departmental approval.

MKTG 489
INTERNET MARKETING 3.0
This course provides an introduction to internet marketing and customer-
centric marketing programs. The course focuses on the various unique factors
and issues that electronic tools bring to marketing, namely the ability to
directly market to individuals and to interact in ways that consumers find
valuable. Issues examined are using the internet to attract new customers,
retain existing customers, build brand awareness, and expand into new
markets.
Prerequisite: MKTG 240.

MKTG 490
MARKETING INTERNSHIP 3.0
Working with public and private organizations (for profit), students are
afforded an opportunity to apply classroom theoretics to real-world job
situations. Illustrative engagements include team coordinated marketing re-
search and advertising effectiveness studies; sales assistantships, public rela-
tions and retailing and distribution experiences. Market analysis and product
feasibility and assessment exposures are accompanied by more organization-
ally tailored practical experiences in cultivating the student's resume.
Prerequisite: Departmental approval.

MKTG 492
INDEPENDENT STUDY IN MARKETING 1.0-3.0
An opportunity for a student to study or engage in a topic currently not covered
in existing course selections or to take a required course normally given, but
unavailable in conventional format.
Prerequisite: Departmental approval.

MKTG 493
SPECIAL TOPICS IN MARKETING 1.0-3.0
An examination of topics not covered in normal marketing course work.
Course to be given on demand with topics varying according to current issues
arranged between faculty and student.
Prerequisite: Departmental approval.

MKTG 499
CURRENT TOPICS IN MARKETING 3.0
Students are afforded an opportunity to cultivate team-building and commu-
nication skills (verbal and written format) as they engage in addressing current
issues and problems in the field of marketing and global management.
Presentation skills are honed utilizing the most current audio visual and
computerized hardware and software enhancements. A market/customer-
driven Total Quality Management (TQM) focus aimed at cultivating sustain-
able competitive advantage underlies the process.
MATHEMATICAL SCIENCES

COLLEGE OF SCIENCE AND MATHEMATICS
Chairperson: Helen Marcus Roberts

The Department of Mathematical Sciences offers programs leading to the Bachelor of Science Degree in Mathematics and the Bachelor of Science Degree in Physics. In particular, the Department offers a major in Mathematics, a major in Mathematics with a concentration in applied Mathematics, a major in Mathematics with certification as a teacher of mathematics, a major in Physics, a major in Physics with certification as a teacher of Physics, a major in Physics with a concentration in Astronomy, a minor in Mathematics, and a minor in Physics. There are honor programs in Mathematics and Physics for qualified students. The Applied Mathematics concentration has two tracks: (1) Statistics and (2) Discrete Applied Mathematics and Operations Research.

The programs introduce central ideas in a variety of areas in Mathematics and Physics, and develop problem-solving ability by teaching students to combine critical thinking with rigorous reasoning. The Mathematics Program provides students with a spectrum of courses in pure and applied mathematics and develops rigorous mathematical thinking.

A Bachelor of Science Degree in Mathematics is one of the most versatile degrees available. Many of the graduates with this degree have found their talents in great demand in business, industry, government, and in the teaching profession. This versatility allows graduates in mathematics to adjust to any unexpected shift in demand form one of these areas to another. All majors prepare students for graduate study.

The coordinator of undergraduate advising is the department’s resource for specific information such as advanced placement, transfer credits, dual majors, Cooperative Education, and independent study.

Mathematics Major (B.S.)

Required Courses (25 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 122</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 222</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MATH 335</td>
<td>Elements of Linear Algebra</td>
</tr>
<tr>
<td>MATH 340</td>
<td>Probability</td>
</tr>
<tr>
<td>MATH 425</td>
<td>Advanced Calculus I</td>
</tr>
<tr>
<td>MATH 431</td>
<td>Foundations of Modern Algebra</td>
</tr>
</tbody>
</table>

Electives (12 semester hours)

Select at least 12 semester hours from MATH 398-469, (excluding required courses), 480-499, STAT 440-449, 490-499.

Collateral Courses (11 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I</td>
</tr>
<tr>
<td>PHYS 191</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHYS 192</td>
<td>University Physics II</td>
</tr>
</tbody>
</table>

Mathematics Major (B.S.)

Applied Mathematics Concentration

Required Courses (28 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 122</td>
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<tr>
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<tr>
<td>MATH 335</td>
<td>Elements of Linear Algebra</td>
</tr>
<tr>
<td>MATH 340</td>
<td>Probability</td>
</tr>
<tr>
<td>MATH 469</td>
<td>Introduction to Mathematical Modeling</td>
</tr>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I</td>
</tr>
<tr>
<td>CMPT 184</td>
<td>Foundations of Computer Science II</td>
</tr>
</tbody>
</table>

Emphasis (9 semester hours)

Students specialize by taking three courses (9 semester hours) in one of the following two tracks:

1. Statistics
   - STAT 440 Fundamentals of Modern Statistics| 3
   - STAT 441 Statistical Computing| 3
   - STAT 443 Introduction to Mathematical Statistics| 3

2. Discrete Applied Mathematics and Operations Research
   - CMPT 285 Discrete Mathematical Structures| 3
   - MATH 465 Operations Research II| 3
   - MATH 467 Operations Research III| 3

Elective Mathematics Courses (12 semester hours)

Select at least 12 s.h. not already counted in A or B above from MATH 398-469 and 480-499, and STAT 440-449, 490-499

Collateral Courses (8 - 9 semester hours)

Complete one of the following sequences:

Students are strongly encouraged to complete sequence A

1. PHYS 191 University Physics I| 4
   - PHYS 192 University Physics II| 4

2. CHEM 120 General Chemistry I| 4
   - CHEM 121 General Chemistry II| 4

3. BIOL 112 Principles of Biology I| 4
   - BIOL 113 Principles of Biology II| 4

4. GEOS 112 Physical Geology| 4
   - GEOS 114 Historical Geology| 4

5. ACCT 201 Fundamentals of Accounting I| 3
   - ACCT 202 Fundamentals of Accounting II| 3
   - MGMT 231 Management Processes| 3

6. ECON 101 Principles of Economics: Macro| 3
   - ECON 102 Principles of Economics: Micro| 3
   - MGMT 231 Management Processes| 3

Mathematics Major (B.S.)

Teacher Education

Required Courses (25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semesters</th>
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<tr>
<td>MATH 340</td>
<td>Probability</td>
</tr>
<tr>
<td>MATH 350</td>
<td>College Geometry</td>
</tr>
<tr>
<td>MATH 431</td>
<td>Foundations of Modern Algebra</td>
</tr>
<tr>
<td>MATH 465</td>
<td>Operations Research II</td>
</tr>
<tr>
<td>STAT 440</td>
<td>Fundamentals of Modern Statistics</td>
</tr>
<tr>
<td>STAT 441</td>
<td>Statistical Computing</td>
</tr>
<tr>
<td>STAT 443</td>
<td>Introduction to Mathematical Statistics</td>
</tr>
<tr>
<td>STAT 447</td>
<td>Probability I</td>
</tr>
<tr>
<td>STAT 448</td>
<td>Probability II</td>
</tr>
</tbody>
</table>

Electives (Select at least 12 semester hours)

Select at least 12 semester hours from MATH 471, 472, 473, 474, 475, 480-499, STAT 440-449, 490-499. Student must be accepted into the Teacher Certification Program before registering for MATH 471.

Collateral Courses (11 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 183</td>
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<td>University Physics I</td>
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<tr>
<td>PHYS 192</td>
<td>University Physics II</td>
</tr>
</tbody>
</table>

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Additional mathematics courses needed for certification can also be obtained from the department.

Second Teaching Field in Mathematics

Those students majoring in another field who wish to teach mathematics as a second field must take an approved 34 semester hour program in mathematics, including one course in computer science, as well as their major field requirements and the Praxis II exam. Specific requirements may be obtained from the department's Certification Advisor.
### Mathematics Minor

**Required Courses (19 semester hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 122</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 222</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 335</td>
<td>Elements of Linear Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

One approved 300 or 400 math major elective course required. At least 9 semester hours must be taken at Montclair State University.

### Physics Major (B.S.)

**Required Courses (24 semester hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 191</td>
<td>University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 192</td>
<td>University Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 210</td>
<td>Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 240</td>
<td>Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 350</td>
<td>Optics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 460</td>
<td>Modern Physics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective Physics Courses (14 semester hours)**

Select a minimum of 14 semester hours from the list below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 242</td>
<td>Circuit Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 245</td>
<td>Electronics and Digital Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 247</td>
<td>Microprocessors and Their Applications</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 280</td>
<td>Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 310</td>
<td>Advanced Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 320</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 340</td>
<td>Advanced Electricity and Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 377</td>
<td>Mathematical Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 410</td>
<td>Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 430</td>
<td>Computer Simulations of Physical Systems</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 462</td>
<td>Nuclear Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 464</td>
<td>Quantum Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 470</td>
<td>Solid State Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 490</td>
<td>Literature Research in Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 495</td>
<td>Laboratory Research in Physics</td>
<td>1-4</td>
</tr>
<tr>
<td>GEOS 112</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Collateral Courses (27 semester hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 122</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 222</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 420</td>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>STAT 401</td>
<td>Applied Statistics for the Sciences</td>
<td>3</td>
</tr>
</tbody>
</table>

**Physics Minor**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 191</td>
<td>University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 192</td>
<td>University Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 240</td>
<td>Electricity and Magnetism</td>
<td>4</td>
</tr>
</tbody>
</table>

**Plus either Option A or Option B:**

**Option A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 210</td>
<td>Mechanics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Option B**

Select two:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 242</td>
<td>Circuit Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 245</td>
<td>Electronics and Digital Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 247</td>
<td>Microprocessors and Their Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Semester Hours**: 18-19

### Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Physics majors, with some additional chemistry courses, can qualify for the Physical Science Teaching Certificate.

### Second Teaching Field in Physical Science

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field. Information is available from the department's coordinator of undergraduate advising.

### Courses of Instruction

#### Mathematics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 050</td>
<td>BASIC SKILLS MATH I:</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>COMPUTATION AND ELEMENTARY ALGEBRA</td>
<td></td>
</tr>
<tr>
<td>MATH 051</td>
<td>BASIC SKILLS MATH II: ALGEBRA</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Basic elementary algebra course, includes fundamental algebraic processes, linear and quadratic equations, graphing and applications. Credits not usable toward graduation. Meets Basic Skills Requirement.</td>
<td></td>
</tr>
<tr>
<td>MATH 060</td>
<td>BASIC SKILLS MATHEMATICS LABORATORY - COMPUTATION</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Review of the fundamental arithmetic operations of real numbers. Whole numbers, fractions, decimals, percents, ratios, word problems and estimation are covered. Topics from elementary algebra may also be included. Credits not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only. Meets Basic Skills Requirement.</td>
<td></td>
</tr>
</tbody>
</table>
MATH 061
BASIC SKILLS MATHEMATICS LABORATORY - ALGEBRA 3.0
Review of elementary algebra, including fundamental algebraic processes, linear and quadratic equations, graphing, word problems and applications. Credit not usable toward graduation. Small group tutoring in mathematics laboratory. This course is offered as Pass/Fail only. Meets Basic Skills Requirement.

MATH 100
INTERMEDIATE ALGEBRA 3.0
Topics include sets, relations, functions, development of number systems and algebraic operations. Students who received high school credit for Intermediate Algebra may not receive degree credit for MATH 100. Prerequisite: MATH 051 or 061 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Intermediate Algebra Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Intermediate Algebra Readiness Test.) Not for majors in the College of Science and Mathematics.

MATH 102
NEW STUDENT EXPERIENCE FOR MATHEMATICAL SCIENCES 1.0
This course introduces students to the University, the Department of Mathematical Sciences and the culture of higher education. Students learn about campus resources and activities, the disciplines of mathematics and physics, careers in mathematical sciences, and development of good study skills. There is also emphasis on issues related to health, wellness, diversity, and prejudice. Meets Gen Ed 2002–New Student Seminar.

MATH 103
THE DEVELOPMENT OF MATHEMATICS 3.0
A survey of traditional and contemporary mathematical topics developed within a historical framework and designed to develop an appreciation for the role and universality of mathematics as a cultural force in our society. Meets the Gen Ed 2002–Mathematics. Meets the 1983 General Education Requirement (GER)–Mathematics, Mathematics. Prerequisite: MATH 051 or 061 or placement through the Montclair State University Placement Test (MSUPT). Not for majors in the College of Science and Mathematics.

MATH 104
FRACTALS AND INFINITY 3.0
A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy, and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Cross listed with the Honors Program, HONP 104. Meets Gen Ed 2002–Mathematics. Meets the 1983 General Educational Requirement (GER)–Mathematics, Mathematics. Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT).

MATH 106
CONTEMPORARY APPLIED MATH FOR EVERYONE 3.0
The impact of modern mathematics on today’s society in terms of management decision making, scheduling and planning, social choice, including voting and apportionment, population studies, and measurements of size and shape. Meets Gen Ed 2002–Mathematics. Meets the 1983 General Education Requirement (GER)–Mathematics, Mathematics. Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT).

MATH 109
STATISTICS 3.0
Introduction to the use of statistics in the real world. Topics include: analysis and presentation of data, variability and uncertainty in data, techniques of statistical inference and decision-making. Meets Gen Ed 2002–Mathematics. Meets the 1983 General Education Requirement (GER)–Mathematics, Mathematics. Prerequisite: MATH 051 or 061, or placement through the Montclair State University Placement Test (MSUPT). Not for majors in Mathematics (MATH); Mathematics, Applied Mathematics concentration (MAAM); or Mathematics, Teacher Education (MTED).

MATH 111
APPLIED PRECALCULUS 4.0
This course covers topics including trigonometric, exponential, logarithmic, rational, and polynomial functions, that are basic to success in the calculus sequence. Includes applications to Biology, Molecular Biology, and other empirical sciences. Use of graphics calculator extensively. May be substituted for MATH 112 (Precalculus Mathematics). Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Precalculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

MATH 112
PRECALCULUS MATHEMATICS 3.0
Binomial theorem, relations and functions, exponential and logarithmic functions, right triangle trigonometry, circular functions. Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Precalculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Precalculus Readiness Test.)

MATH 113
MATHEMATICS FOR BUSINESS I: LINEAR ALGEBRA 3.0
Matrices, linear programming, probability, statistics. Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT).

MATH 114
MATHEMATICS FOR BUSINESS II: CALCULUS 3.0
The general aim of this course is to introduce the students to the basic skills of differentiation, integration, maxima-minima problems and several of the other applications of calculus, including modeling, especially models in business and economics. Prerequisite: MATH 100 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on Department's Business Calculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Business Calculus Readiness Test.)

MATH 116
CALCULUS A 4.0
Differentiation and integration of functions, including trigonometric functions. Applications to biology and geoscience. Meets the 1983 General Education Requirement (GER)–Mathematics, Mathematics. Prerequisite: MATH 111 or 112 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the department's Calculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the department's Calculus Readiness Test.)

MATH 122
CALCULUS I 4.0
Limits, continuity; derivative and differentiation; applications of the derivative, maxima, minima, and extreme considerations; antiderivatives; Riemann integral. Meets the 1983 General Education Requirement (GER)–Mathematics, Mathematics. Prerequisites: MATH 111 or 112 or placement through the Montclair State University Placement Test (MSUPT) or a satisfactory score on the Department's Calculus Readiness Test. (Students who did not satisfy the course prerequisite at MSU and students who received a grade of D-, D, or D+ in the prerequisite course taken at MSU are required to demonstrate competency on the Department's Calculus Readiness Test.)

MATH 190
TOPICS IN UNDERGRADUATE MATHEMATICS 1.0–4.0
Topics of current interest and importance that are accessible by first- and second-year students. May be repeated once for a maximum of eight credits.
MATH 221
CALCULUS II 4.0
Riemann integral applications, transcendental functions, techniques of integration, improper integrals, L'Hospital's rule, infinite series. Meets the 1983 General Education Requirement (GER)--Mathematics, Mathematics.
Prerequisite: MATH 122.

MATH 222
CALCULUS III 4.0
Vector algebra, partial differentiation, and extreme considerations; polar, cylindrical, and spherical coordinates, multiple integration; introduction to line integrals.
Prerequisite: MATH 221.

MATH 270
STATISTICS FOR BUSINESS 3.0
This course is a comprehensive introduction to the application of modern statistical methods. Topics covered include: descriptive statistical methods of data analysis; probability theory; discrete and continuous probability distributions and mathematical expectation; classical statistical inference-sampling distributions, confidence interval estimation, sample size determination, and hypothesis testing for means and proportions; regression and correlation, and time series analysis. Spreadsheet software is integrated in all topics. Cross listed with Information and Decision Sciences, INFO 270.
Prerequisite: MATH 114. May not be taken for graduation credit by CSAM majors.

MATH 335
LINEAR ALGEBRA 4.0
Vectors, vector spaces in 2, 3, and n-dimensions, systems of linear equations, matrices, determinants, linear transformations, and applications. Meets the University Writing Requirement for MAAM, MATH, MTED majors.
Prerequisite: MATH 221.

MATH 340
PROBABILITY 3.0
Chance and variability, elements of combinatorics, Bayes' theorem, random variables, binomial, poisson and normal distributions, applications to statistics.
Prerequisite: MATH 221.

MATH 350
COLLEGE GEOMETRY 3.0
Study of Euclidean and other geometries from an axiomatic point of view.
Prerequisite: MATH 221.

MATH 398
VECTOR CALCULUS 3.0
Topics include the algebra of the differential and integral calculus, gradients, divergence and curl of a vector field, and integral theorems together with applications drawn from the physical sciences.
Prerequisite: MATH 222.

MATH 420
DIFFERENTIAL EQUATIONS 4.0
First order differential equations, partial derivatives and exact differentials, linear differential equations, numerical approximation, series solution, matrices, and systems of equations.
Prerequisite: MATH 221.

MATH 423
COMPLEX VARIABLES 3.0
This course is a study of the arithmetic and algebra of complex numbers, and an introduction to the differentiation and integration of complex functions. Topics include: rectangular and polar form of complex numbers, algebra of complex numbers, differentiation, Cauchy-Riemann equations, and contour integrals.
Prerequisite: MATH 222.

MATH 425
ADVANCED CALCULUS I 3.0
Properties of the real number system, limits, continuous functions, intermediate value theorem, derivative, mean value theorem, Reimann integral.
Prerequisite: MATH 222.
MATH 485
APPLIED COMBINATORICS AND GRAPH THEORY 3.0
Problem solving by counting, enumeration, and graph theory. Permutation, combinations, binomial coefficients, generating functions, recurrence relations, partitions, inclusion-exclusion, Polya's formula, graph theoretic models, trees, circuits, networks, matching, and their applications to puzzles, games, tournaments, traffic patterns, transportation.
Prerequisite: MATH 340.

MATH 490
HONORS SEMINAR 3.0
This course will concentrate on subject matter not usually covered within standard mathematics courses. A written and oral report are required.
Prerequisite: Departmental approval.

MATH 495
TOPICS FOR UNDERGRADUATES 1.0-3.0
Study of advanced topics in undergraduate mathematics.
Prerequisite: Departmental approval.

MATH 497
RESEARCH I 1.0-3.0
Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.
Prerequisite: Departmental approval.

MATH 498
RESEARCH II 1.0-3.0
Individual research in a mathematical area agreed upon by the student and the instructor. The results of the research will be a basis of a seminar or colloquium to be given by the student. Students must not accumulate more than 6 credits total in courses MATH 497, 498.
Prerequisite: Departmental approval.

Courses of Instruction

Physics

PHED 401
THE TEACHING OF SCIENCE IN SECONDARY SCHOOLS 4.0
Considered are the objectives, curriculum, planning, instructional strategies appropriate to science, materials, methods of evaluation, health safety and legal responsibilities in the secondary science program. The use of computers in the science instructional program will also be emphasized.

PHYS 100
CONCEPTS IN SCIENCE 4.0
This is a one-semester physical science course with laboratory designed for those students not majoring in science areas. This course will introduce the student to methods of science while teaching some principles of physical science and some of their applications. Topics discussed include: energy and motion; heat, energy and solar heating; sound and noise; light, lenses and fiber optics. (3 hours lecture, 2 hours laboratory). Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: Special fee.

PHYS 104
HISTORY OF SCIENCE 3.0
The historical and philosophical development of science traced from the ancient Egyptians to the present. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science only.
Prerequisite: Special fee.

PHYS 180
DESCRIPTIVE ASTRONOMY 3.0
For the general student. A discussion of our place in the universe from ancient ideas to modern data on the moon, planets, comets, stars, galaxies and quasars. The formation and evolution of planets, stars, black holes and the universe as a whole reveal our place in time. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Non-Laboratory Science Only.

PHYS 191
UNIVERSITY PHYSICS I 4.0
This one-semester calculus-based course including laboratory is a study of the principles of physics and some applications to society’s problems. Topics covered include mechanics, thermodynamics, fluids, and harmonic motion. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite or corequisite: MATH 122. Special fee.

PHYS 192
UNIVERSITY PHYSICS II 4.0
Calculus-based course. Study of some principles of physics and some applications to society’s problems. Topics include: wave motion, sound and noise pollution, optics, electricity, lasers, nuclear theory, radiation, nuclear reactors, waste disposal. (3 hours lecture, 2 hours laboratory.) Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite or corequisite: MATH 221. Special fee.

PHYS 193
COLLEGE PHYSICS I 4.0
This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include mechanics, heat and thermodynamics, wave motion and sound, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: MATH 100. Special fee.

PHYS 194
COLLEGE PHYSICS II 4.0
This one-semester course including laboratory is a study of the principles and applications of classical physics. Topics covered include optics, electricity and magnetism, and an introduction to modern and nuclear physics, as well as societal applications of physical principles. Three lecture hours and two laboratory hours are required. Calculus is not used, but familiarity with some algebra and trigonometry is required. Meets the 1983 General Education Requirement (GER)—Natural/Physical Science, Laboratory or Non-Laboratory Science.
Prerequisite: MATH 100 or MATH 111 or MATH 112 or PHYS 193. Special fee.

PHYS 210
MECHANICS 4.0
Classical mechanics: Kinematics, Newton’s laws, impulse and momentum, statics, work and energy, oscillations, general motion, central force motion, non-inertial frames, system of particles, methods of handling data. (3 hours lecture, 2 hours laboratory.)
Prerequisite: PHYS 191. Special fee.

PHYS 240
ELECTRICITY AND MAGNETISM 4.0
Basic principles of electromagnetism: Coulomb’s law and general techniques in electrostatics, currents and their associated magnetic field, electromagnetic induction and magnetic properties of materials. Foundations of Maxwell’s equations (without detailed solutions). Laboratory experiments. (3 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192. Prerequisite or Corequisite: MATH 222. Special fee.

PHYS 242
CIRCUIT THEORY 3.0
Introduces basic methods in circuit analysis and design. Topics include linear electric circuits and their response, circuit theorems, filters, Fourier analysis of different inputs and outputs, and transmission lines. (2 hours lecture, 2 hours laboratory).
Prerequisites: PHYS 192 or both PHYS 194 and MATH 221. Special fee.

PHYS 245
ELECTRONICS AND DIGITAL CIRCUITS 3.0
An introduction to the principles of amplifiers, waveform generators, and digital circuits, with emphasis on the use of commonly available integrated circuit packages. (2 hours lecture, 2 hours laboratory)
Prerequisite: PHYS 192 or 194. Special fee.
PHYS 280
ASTRONOMY 4.0
Application of physical laws to the earth as a planet; nature of the other planets; orbital motion and space flight; origin of the solar system; the birth, life and death of a star galactic structure; and cosmology. (3 hours lecture, 2 hours laboratory.) Meets the University Writing Requirement for PHYS majors. 
Prerequisite: PHYS 191 and 192 or 193 and 194. Special fee.

PHYS 320
THERMODYNAMICS 3.0
Thermodynamic systems; laws of thermodynamics; entropy; kinetic theory; transport processes; statistical thermodynamics. 
Prerequisite: MATH 222 and PHYS 210.

PHYS 350
OPTICS 4.0
Propagation of light, optical components, instruments and photometry. Interference, diffraction and polarization with elements of spectroscopy. Meets the University Writing Requirement for PHYS majors. 
(3 hours lecture, 2 hours laboratory.) 
Prerequisite: PHYS 240. Special fee.

PHYS 380
OBSERVATIONAL ASTRONOMY 4.0
Observational techniques for the moon, planets, satellites of other planets, asteroids, comets, stars, star clusters, and galaxies. 
Prerequisites: PHYS 191 and PHYS 192 or PHYS 193 and PHYS 194.

PHYS 410
FLUID MECHANICS 3.0
The study of the mechanics of the continuous media. Topics will include: fluid statics; basic laws governing fluid systems and control volumes; viscous flows; dimensional analysis and similarity, and potential flow. 
Prerequisite: PHYS 240.

PHYS 430
COMPUTER SIMULATIONS OF PHYSICAL SYSTEMS 3.0
This course applies computer techniques and numerical analysis to model physical systems. Simulations and calculations will be done of falling bodies, gravitational orbits, scattering, oscillations, electrical circuits, molecular dynamics, Monte Carlo techniques, chaos, and quantum systems. 
Prerequisites: MATH 221, PHYS 191, PHYS 192 and CMPT 183.

PHYS 443
COMPUTER-AIDED DRAFTING: AN INTRODUCTION 3.0
Students will study the command structure of AutoCad to create, modify and manage CAD drawings and designs. Various applications in graphic communication will be explored with practical hands-on lab sessions. Experience with computers or technical graphics is not required. Cross listed with Curriculum and Teaching, INDS 443.

PHYS 460
MODERN PHYSICS 4.0
Special relativity, kinetic theory of matter; quantization of electricity, light and energy; nuclear atom; elementary quantum mechanics and topics on solid state. (3 hours lecture, 2 hours laboratory.) 
Prerequisites: PHYS 210 and 240. Special fee.

PHYS 480
ASTROPHYSICS 3.0
The laws of physics applied to planetary structure, stars and their evolution in time, the interstellar medium, galaxies, and large-scale structure of the universe. 
Prerequisites: PHYS 191 and 192 or PHYS 280 and MATH 221. 
Prerequisite or corequisite: STAT 401.

PHYS 490
LITERATURE RESEARCH IN PHYSICS 2.0
Student considers topics in physics and gains facility in literature research techniques; topics in pure physics or related to physics education. Students intending to enroll in laboratory research in physics should use PHYS 490 to provide the literature research related to his/her laboratory problem. Not offered every year. 
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.

PHYS 495
LABORATORY RESEARCH IN PHYSICS 1.0-4.0
Solution of a laboratory problem; research in pure physics or in physics education. Written report required. Not offered every year. 
Prerequisite: At least 16 credit hours of physics beyond PHYS 192.

Courses of Instruction
Statistics

STAT 401
APPLIED STATISTICS FOR THE SCIENCES 3.0
Organizing, displaying, and describing data; designing experiments; methods for drawing conclusions from data; significance testing, confidence intervals, linear regression, analysis of variance, chi-square tests of independence. Examples from disciplines in the natural and physical science. Statistical software is used. Not for Mathematics and Computer Science majors.

STAT 440
FUNDAMENTALS OF MODERN STATISTICS 3.0
Displaying, describing, and modeling data; arrangements for producing data; probability; methods for drawing conclusions from data: significance testing, confidence interval estimation, linear regression, analysis of variance. Examples from many disciplines including the social and natural sciences. Statistical software is used. 
Prerequisite: MATH 221.

STAT 441
STATISTICAL COMPUTING 3.0
This course is designed: (1) to acquaint students with the use of the computer in solving statistical problems, and (2) to develop intermediate level statistical methodology. Several statistical computing packages and the student’s own programs will be utilized. 
Prerequisites: STAT 440 and computer experience.

STAT 443
INTRODUCTION TO MATHEMATICAL STATISTICS 3.0
Develops statistical methods from probability theory. Topics discrete and continuous probability distributions, estimation, inference and hypothesis testing. 
Prerequisites: MATH 340 and STAT 440.

STAT 495
TOPICS IN STATISTICAL SCIENCE 1.0-3.0
Guided study of selected topics in statistical science such as exploratory data analysis, applied multivariate methods, statistical quality control, design of experiment. May be repeated once for a total of six credits. 
Prerequisites: STAT 440 and departmental approval.

STAT 497
UNDERGRADUATE RESEARCH IN STATISTICAL SCIENCE 1.0-3.0
Individual research in an area of statistical science agreed upon by the student and instructor. The results of the research will be the basis of a seminar or colloquium to be given by the student. May be repeated five times for a total of six credits. Student must not accumulate more than six credits total in courses MATH 497, MATH 498, STAT 495, STAT 497.
Entrance Requirements

General
Those who wish to major or minor in music must have an interview and an audition on a primary instrument or voice. Prospective music majors should be able to show musicality, primary and secondary performing skills and knowledge of elementary music theory. Audio- and video-taped auditions are a rare exception to Departmental policy, and therefore must be approved in advance. The Department will allow prospective music majors to audition up to twice within one academic year, and a maximum of three times. It is important to have studied music seriously throughout high school. Participation in choral and/or instrumental groups and piano study are required for all applicants.

Primary instrument audition (vocal and instrumental)
Required of all prospective students. The audition consists of prepared repertory, preferably covering a range of styles, and of technical exercises, etudes, scales and sight reading; it generally lasts ten to fifteen minutes.

Music reading test
Required of all prospective students. Prospective students must demonstrate their proficiency in reading treble and bass clefs and their ability to sing intervals and to sight read simple melodies and rhythms. Prospective students who are judged deficient in these skills but seem to have sufficient talent to warrant admission will be required to take a pre-theory course which carries no credit toward graduation.

Interview/Portfolio review
Required of all prospective students wishing concentrations in education, music therapy, and theory/composition. The interviews for education and music therapy are intended to give the faculty a sense of a prospective student’s knowledge of, interest in and fitness for the field in question. The theory/composition interview is normally accompanied by inspection of a prospective student’s portfolio of compositions, arrangements and/or analyses. Prospective students wishing to concentrate in theory/composition should be prepared to present such a portfolio.

Music theory placement test
Required of all prospective students who have taken college level theory courses; optional for others. The test is designed for placement purposes and is normally not a factor in arriving at an admissions decision.

Music history syllabus review
Required of all prospective students who have taken college level music history courses. Transfer applicants who wish to transfer their music history credits must submit a course syllabus for each music history course for faculty review and approval.

Secondary instrument audition (vocal and instrumental)
Optional. A prospective student who has developed proficiency in a second instrument (or in voice) may audition on that instrument (or in voice). Once enrolled, Departmental approval is required for private study on a secondary instrument.

Secondary piano placement test
Optional. All students (other than keyboard majors) must take four semesters of secondary piano. Prospective students (other than keyboard players) who have taken some piano and wish to be exempt from some or all of the secondary piano requirement should take a secondary piano test at the time of audition.

Final Admission to Program

Theory/Composition
Final admission in junior year; in addition to full audition requirements, candidates must submit a portfolio of compositions and/or analytical sketches before completion of sophomore year.

Music Therapy
Final admission in junior year; in addition to full audition requirements, all credentials (including reports of clinical experience) will be evaluated at the end of sophomore year.

Performance
Provisional acceptance is determined by an Applied Music jury at the end of the freshman year unless a postponement to the middle of the sophomore year is requested by the major teacher. Full admission is delayed until completion of a sophomore recital and/or demonstration of a solid grasp of the technical aspects of the performing medium and genuine musicality and sensitivity.

Music Education
Final admission is granted only after an interview and review of credentials toward the end of the sophomore year.

Comprehensive Examination/Assessment
At the end of the sophomore year, all students must demonstrate comprehensive musicianship in the performing primary, functional keyboard skills, theoretical and practical skills, secondary vocal skills and other materials germane to the student’s concentration. Continuation as a music major is dependent upon adequate performance in these areas.

Applied Music Requirements for Graduation

All music students must study with members of the Montclair State faculty. There is an applied music fee, in addition to tuition, which must be paid for private instruction.

Students concentrating in performance will present a recital before the end of the junior year and another in the senior year. Students concentrating in music education will present a recital in the senior year. Students concentrating in theory/composition will present a recital of original compositions in the senior year.

Piano students are expected to accompany at a level of ability designated by their teachers and to participate actively in the musical life of Montclair State and the community.

All students are expected to perform during performance practicum at least once during each year of primary study.

Secondary instruction beyond the minimum requirements is available when schedules and other considerations allow.

Performance Practicum Requirements for Graduation

Each week the Department of Music sponsors mid-day performances, master classes, and lecture/recitals by students, faculty, and guests. Every music major must register for MUPR 039, Performance Practicum (0 credit) or MUPR 040 Performance Practicum for Performance Majors (0.5 credit), for eight semesters or every semester of attendance at Montclair State University.
**Ensemble Requirements for Graduation**

The ensemble policy is based on the principle that all students must perform in ensemble(s) every semester of their attendance at Montclair State in order to assure the broadest possible experience in important ensemble repertoire and to assure that these ensembles have the needed instrumentation for successful performance. Although minimum requirements vary with each concentration, this principle is the overriding one. Students will be expected to perform in their primary ensemble during each semester of attendance.

Students may be assigned by the department chairperson to an ensemble in accordance with the needs of the department, regardless of the completion by the student of the minimum requirements.

Where admission to a chamber ensemble is by audition and a student fails to gain admission, additional performance in a large ensemble may, with the chairperson’s consent, be substituted. Chamber ensembles must perform once a semester, either on recital or for a jury.

Any changes in the ensemble policy will be posted in the Music Department.

**Music Education**: majors in voice, keyboards or guitar
- 8 semesters of Choir (MUPR 030)
- 2 semesters of laboratory ensemble (MUED 301)
- 2 semesters of chamber ensemble *

**Music Education**: majors in stringed instruments
- 8 semesters of Orchestra (MUPR 031)
- 2 semesters of Choir (MUPR 030)
- 2 semesters of chamber ensemble *

**Music Education**: majors in brass, woodwinds, percussion
- 8 semesters of Band (MUPR 032) or Orchestra (MUPR 031) as assigned
- 2 semesters of Choir (MUPR 030)
- 2 semesters of chamber ensemble *

**Performance**: majors in voice
- 8 semesters of Choir (MUPR 030)
- 4 semesters of Opera Workshop (MUPR 034)
- 2 semesters of Collegium Musicum (MUPR 038)
- 2 elective semesters

**Performance**: majors in guitar
- 8 semesters of chamber ensemble *
- 4 semesters of Choir (MUPR 030)
- 4 elective semesters

**Performance**: majors in stringed instruments
- 8 semesters of Orchestra (MUPR 031)
- 4 semesters of chamber ensemble *
- 4 elective semesters

**Performance**: majors in brass, woodwinds, percussion
- 8 semesters of Band (MUPR 032) or Orchestra (MUPR 031) as assigned
- 2 semesters of Choir (MUPR 030)
- 3 semesters of chamber ensemble *
- 3 elective semesters

**Performance**: majors in keyboard instruments
- 8 semesters of Choir (MUPR 030)
- 5 semesters of chamber ensemble *
- 1 semester of Collegium Musicum (MUPR 038)
- 2 elective semesters

**Theory/Composition**: majors in voice, guitar
- 6 semesters of Choir (MUPR 030) or Chamber Choir (MUPR 020)
- 4 semesters of chamber ensemble *
- 2 semesters of Collegium Musicum (MUPR 038)
- 4 elective semesters

**Theory/Composition**: majors in stringed instruments
- 8 semesters of Orchestra (MUPR 031)
- 4 semesters of chamber ensemble *
- 1 semester of Collegium Musicum (MUPR 038)
- 3 elective semesters

**Theory/Composition**: majors in brass, woodwinds, percussion
- 8 semesters of Band (MUPR 032)
- 2 semesters of Choir (MUPR 030)
- 5 semesters of chamber ensemble *
- 1 semester of Collegium Musicum (MUPR 038)

**Music Therapy**: 6 semesters using primary instrument
- 2 semesters using secondary instrument

*For the purposes of the above requirements, “chamber ensemble” includes MUPR 038 Collegium Musicum, MUPR 020 Chamber Singers, MUPR 302 Jazz Ensemble, MUPR 034 Opera Workshop, MUPR 301 Chamber Ensemble Performance, MUPR 361 Harry Partch Ensemble and all solo/duet/trio/etc. repertoire which does not duplicate materials studied for solo recital or jury performance.

**Performance Dress Code**

Since the Department of Music has the training of future professional musicians as one of its major objectives, the music student is expected to dress as a professional whenever appearing before the public.

**Mid-Day Recitals**: No casual attire.

**Solo Recitals**: Formal wear or ensemble wear.

**Ensembles**: At the discretion of the director, normally black.

**Instrumental Rental**

A fee of $50 (subject to change) per semester is charged students who rent college-owned instruments. Summer rental is considered as a separate semester for this purpose. A separate charge is made for each instrument or each instrumental methods class.

**Music Major (B.A.)**

**Music Education Concentration**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>MUAP 121 Applied Music I ............................................................</td>
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<td>MUAP 122 Applied Music II ............................................................</td>
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<tr>
<td>MUAP 224 Applied Music IV ..............................................................</td>
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<td>MUAP 325 Applied Music V ...............................................................</td>
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<td>MUAP 326 Applied Music VI ...............................................................</td>
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<tr>
<td>MUAP 427 Applied Music VII .............................................................</td>
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<tr>
<td>MUPR 309 Performance Practicum (8 semesters) ....................................</td>
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<tr>
<td>MUCP 101 Theory I ............................................................................</td>
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<tr>
<td>MUCP 102 Theory II ...........................................................................</td>
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<tr>
<td>MUCP 103 Aural Skills I .................................................................</td>
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<tr>
<td>MUCP 104 Aural Skills II .................................................................</td>
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<tr>
<td>MUCP 201 Theory III .........................................................................</td>
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<td>MUCP 204 Aural Skills IV .................................................................</td>
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<td>MUCP 304 Theory VI-Orchestration ....................................................</td>
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<tr>
<td>MUHS 307 Music History I ..................................................................</td>
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<td>MUHS 308 Music History II ...............................................................</td>
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<tr>
<td>Ensembles .....................................................................................</td>
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</table>

(See Ensemble Requirements for Graduation, previously listed)

| MUED 105 Instrumental Techniques: Strings I ...................................... | 1 |
| MUED 106 Instrumental Techniques: Strings II .................................... | 1 |
| MUED 200 Introduction to Music Education ......................................... | 2 |
| MUED 201 Practicum in Music Education ........................................... | 1 |
| MUED 205 Instrumental Techniques: Brass I ........................................ | 1 |
| MUED 207 Instrumental Techniques: Brass II ....................................... | 1 |
| MUED 206 Instrumental Techniques: Woodwinds I ................................ | 1 |
| MUED 208 Instrumental Techniques: Woodwinds II ................................ | 1 |
| MUED 306 Percussion Instruments ..................................................... | 1 |
| MUED 334 Choral Methods .................................................................. | 3 |
| MUED 335 Conducting for Music Educators ......................................... | 2 |
| MUED 420 Instrumental Methods ........................................................ | 3 |
| MUAP 335 Elementary Conducting .................................................... | 2 |
| MUPR 403 Senior Recital .................................................................... | 0 |
| MUPR 410 Beginning Jazz Improvisation ........................................... | 1 |
| MUPR 411 Jazz Pedagogy .................................................................... | 1 |
Music Therapy Major (B.A.)

Required Courses (43-44 s.h.)  

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<td>Music Theory and History</td>
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<td>MUPR 039 Performance Practicum, 8 semesters</td>
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<td>MUCP 201 Theory III</td>
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<tr>
<td>MUCP 141 Musical Composition</td>
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<td>MUHS 307 Music History I</td>
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<tr>
<td>MUHS 308 Music History II</td>
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</tbody>
</table>

| Ensembles         | 4             |

Note: Eight ensembles of which six semesters of ensemble (for 3 semester hours) must involve the student’s primary instrument. Two semesters of ensemble (for 1 semester hour) must be taken using a secondary instrument.

MTH 260 Methods and Materials in Music Therapy ........................................2
MTH 262, 263, 361, 362, 363, 364 Music Therapy Practicum I-VI ..................6
MTH 306 Piano Accompanying Techniques for the Music Therapist ................1
MTH 307 Piano Improvisation for the Music Therapist ..............................1

One of the following:

MUGN 150 Influence of Afro-American Culture on Music ..........................3
MUGN 160 Introduction to Music in World Cultures ..................................3
MUGN 209 Introduction to Jazz ..................................................................3
MUGN 250 Rap and Rock as Cultural Phenomena .......................................3

One of the following conducting courses:

MUPR 335 Elementary Conducting ............................................................2
MUED 334 Choral Methods ........................................................................3

Keyboard Primary (16 s.h.)

(in addition to required core courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>MUAP 121 Applied Music I</td>
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<tr>
<td>MUAP 122 Applied Music II</td>
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<tr>
<td>MUAP 223 Applied Music III</td>
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<tr>
<td>MUAP 224 Applied Music IV</td>
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<td>MSSN 112 Secondary Instrument Voice II</td>
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<tr>
<td>MSSN 113 Secondary Instrument Voice III</td>
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</tr>
<tr>
<td>MSSN 121 Secondary Instrument Guitar I</td>
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<tr>
<td>MSSN 122 Secondary Instrument Guitar II</td>
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<tr>
<td>MUPR 310 Keyboard Harmony I</td>
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<tr>
<td>MUPR 311 Keyboard Harmony II</td>
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<tr>
<td>MUPR 306 Percussion Instruments</td>
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</table>

One of the following, with permission of advisor:

MUAP 105 Instrumental Techniques: Strings I ............................................1
MUAP 205 Instrumental Techniques: Brass I ............................................1
MUAP 206 Instrumental Techniques: Woodwind I ......................................1
MSSN 113 Secondary Instrument Voice III ..............................................1

String, Brass, Woodwind, and Percussion Primary (16 s.h.)

(in addition to required core courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>MUAP 121 Applied Music I</td>
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<td>MSSN 102 Secondary Instrument Piano II</td>
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<td>MSSN 103 Secondary Instrument Piano III</td>
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<td>MSSN 104 Secondary Instrument Piano IV</td>
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<td>MSSN 113 Secondary Instrument Voice III</td>
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<td>MSSN 114 Secondary Instrument Voice IV</td>
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<tr>
<td>MUPR 306 Percussion Instruments</td>
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</table>

MAED 305 Percussion Instruments (for non percussion primaries) ............1

One of the following, with permission of advisor:

MAED 306 Percussion Instruments ............................................................1

Voice Primary (16 s.h.)

(in addition to required core courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>MUPR 306 Percussion Instruments</td>
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</table>

MAED 305 Percussion Instruments............................................................1

One of the following, with permission of advisor:

MAED 306 Percussion Instruments ............................................................1

Guitar Primary (16 s.h.)

(in addition to required core courses)

<table>
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<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>MUAP 121 Applied Music I</td>
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<tr>
<td>MSSN 102 Secondary Instrument Piano II</td>
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<td>MSSN 103 Secondary Instrument Piano III</td>
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<tr>
<td>MSSN 104 Secondary Instrument Piano IV</td>
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<tr>
<td>MSSN 111 Secondary Instrument Voice I</td>
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<tr>
<td>MSSN 112 Secondary Instrument Voice II</td>
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<tr>
<td>MSSN 113 Secondary Instrument Voice III</td>
<td>1</td>
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<tr>
<td>MUPR 306 Percussion Instruments</td>
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</table>

One of the following, with permission of advisor:

MAED 305 Percussion Instruments............................................................1

One of the following, with permission of advisor:

MAED 306 Percussion Instruments ............................................................1

Ensemble:.......

MUST 250 History and Structure of Music ..............................................1
Music Major (B. Mus.)

Performance Concentration

Required Core Courses (72 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>MUAP 121</td>
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<tr>
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<tr>
<td>MUAP 243</td>
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<tr>
<td>MUAP 244</td>
<td>Applied Music IV</td>
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<tr>
<td>MUAP 345</td>
<td>Applied Music V</td>
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<tr>
<td>MUAP 346</td>
<td>Applied Music VI</td>
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</tr>
<tr>
<td>MUAP 448</td>
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<td>MUPR 102</td>
<td>Theory II</td>
<td>3</td>
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<tr>
<td>MUPR 103</td>
<td>Aural Skills I</td>
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<td>MUPR 104</td>
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<tr>
<td>MUPR 276</td>
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<td>MUPR 303</td>
<td>Theory V-Counterpoint</td>
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<td>MUPR 403</td>
<td>Senior Recital</td>
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Ensembles (See Ensemble Requirements for Graduation, listed previously) 8

MUAP 202 Applied Music I (eight semesters) ..........................2
MUAP 303 Theory V-Counterpoint ...........................................3
MUAP 403 Senior Recital ....................................................1

World Music (choose one from the following):

MUGN 150 Influences of Afro-American Culture on Music...........3
MUGN 160 Introduction to Music in World Cultures .................3
MUGN 209 Introduction to Jazz ............................................1
MUGN 250 Rap and Rock as Cultural Phenomena ......................3

Voice (24 s.h.)

(in addition to required core courses)

<table>
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<tr>
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<th>Semester Hours</th>
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<tbody>
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<tr>
<td>MUPR 130</td>
<td>Introduction to Diction</td>
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<tr>
<td>MUPR 131</td>
<td>Diction Overview: German and French</td>
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<tr>
<td>MUL 230</td>
<td>Vocal Repertory from Monody to Mozart</td>
<td>2</td>
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<tr>
<td>MUL 231</td>
<td>The 19th Century Song: Lied and Melodie</td>
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<td>MUL 232</td>
<td>The 20th Century Art Song</td>
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<td>ITAL 101</td>
<td>Italian I</td>
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<td>ITAL 102</td>
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<td>FREN 112</td>
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Theory/Composition Concentration

Required Courses (88 s.h.)

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<th>Course Code</th>
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<td>MUPR 104</td>
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<td>MUPR 277</td>
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<tr>
<td>MUPR 303</td>
<td>Theory V-Counterpoint</td>
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<td>MUPR 403</td>
<td>Senior Recital</td>
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<tr>
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<td>Practicum in Music Theory/Composition (8 semesters)</td>
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<tr>
<td>MUPR 405</td>
<td>Practice in Music Theory/Composition</td>
<td>4</td>
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Music Elective ........................................................................ 2
Music Technology (4 s.h.)
Courses drawn from MUTC, determined by level of experience
MUTC 101 Music and Computer Technology I ................................................. 1
MUTC 102 Music and Computer Technology II .............................................. 1
MUTC 103 Introduction to Audio Technology in the Studio I ......................... 1
MUTC 104 Introduction to Audio Technology in the Studio II .......................... 1
MUTC 200 Independent Study in Computer Audio Technology ...................... 1-2
MUTC 211 Practicum in Audio Technology ..................................................... 2
MUTC 299 Independent Study in the Field of Audio Technology ..................... 1-2
MUTC 402 Selected Topics in the Field of Audio Technology ......................... 3
MUTC 499 Independent Study in the Field of Audio Technology ..................... 1-4

Keyboard Primary (4 s.h. in addition to other required courses)
MUCP 310 Keyboard Harmony I ....................................................................1
MUCP 311 Keyboard Harmony II .....................................................................1
MUPR 204 Piano Accompanying ...................................................................... 2

Voice and Instrumental Primaries (4 s.h. in addition to other required courses)
MSSN 101 Secondary Instrument Piano I ....................................................... 1
MSSN 102 Secondary Instrument Piano II ..................................................... 1
MSSN 103 Secondary Instrument Piano III .................................................... 1
MSSN 104 Secondary Instrument Piano IV .................................................... 1

Combined Bachelor of Arts/ Bachelor of Music (5 year program) Degree Requirements

The combined B.A./B. Mus. is a five year program that permits the student to take the full pre-professional Bachelor of Music degree along with the full liberal arts general education program, thus also satisfying the requirements for the Bachelor of Arts. Having completed both components, the graduate is in a position either to continue in performance or composition or to undertake academic graduate work. The program is devised so that in addition to satisfying the usual requirements for both degrees, students have the opportunity to take advanced music courses usually reserved for graduate students. A coherent group of courses outside the field or a formal minor in another area may be substituted for these courses.

Required Courses - All Majors
All requirements for the Bachelor of Music in the appropriate concentration.
All requirements for the Bachelor of Arts general education program.

In addition:
Music history and theory electives ............................................................. 12

Music Minor
Select one of the groupings below.
A. Music Skills (23 semester hours):
MUCP 101 Theory I ....................................................................................... 3
MUCP 102 Theory II ....................................................................................... 3
MUCP 103 Aural Skills I ..................................................................................1
MUCP 104 Aural Skills II ................................................................................1
MSSN 101 Secondary Instrument Piano I* ...................................................... 1
MSSN 102 Secondary Instrument Piano II* .................................................... 1
Primary Instrument (MUAP numbers) ............................................................ 8
Major ensemble (4 semesters, Choir, Band, or Orchestra) ............................ 2
MUGN 100 Introduction to Music .................................................................... 3
MUGN 029 Student Recital (2 semesters) ....................................................... 0

B. Music Literature (22 semester hours):
MUCP 101 Theory I ....................................................................................... 3
MUCP 102 Theory II ....................................................................................... 3
MUCP 103 Aural Skills I ..................................................................................1
MUCP 104 Aural Skills II ................................................................................1
MUGN 100 Introduction to Music .................................................................... 3
Major ensemble (4 semesters, Choir, Band, or Orchestra) ............................ 2
Music History/Literature electives (MUHS numbers) .................................... 9

C. Music History/Theory (24 semester hours):
MUCP 101 Theory I ....................................................................................... 3
MUCP 102 Theory II ....................................................................................... 3
MUCP 201 Theory III ..................................................................................... 3
MUCP 202 Theory IV ..................................................................................... 3
MUCP 103 Aural Skills I ..................................................................................1
MUCP 104 Aural Skills II ................................................................................1
MUCP 203 Aural Skills III ............................................................................. 1
MUCP 204 Aural Skills IV ............................................................................. 1
MSSN 101 Secondary Instrument Piano I* ...................................................... 1
MSSN 102 Secondary Instrument Piano II* .................................................... 1
MUHS 307 Music History I............................................................................ 3
MUHS 308 Music History II ........................................................................ 3
* Students with advanced keyboard skills may substitute MUCP 310 and MUCP 311 Keyboard Harmony I & II with permission of the department.

Harry Partch/Microtonal Music Studies Minor

Core Requirements (13 semester hours):
MUCP 102 Theory II ..................................................................................... 3
MUCP 104 Aural Skills II ............................................................................. 1
MUCP 361 Advanced Studies in Microtonal Music ........................................ 3
MUHS 361 Harry Partch Life and Works ....................................................... 3
MUPR 301 Chamber Ensemble Performance (Contemporary Chamber Ensemble-up to four semesters at 0.5 s.h. per semester) .................. 2
MUPR 301 Chamber Ensemble Performance (Contemporary Chamber Ensemble-up to four semesters at 0.5 credits per semester) .... 2
MUTC 361 Music Instrument Invention ......................................................... 2

Electives (5 semester hours)
MUCP 362 Microtonal Composition Projects ............................................. 2
MUHS 407 Music History III (Modern Music) .............................................. 3
MUPR 301 Chamber Ensemble Performance (Harry Partch Ensemble six semesters at 0.5 s.h. per semester) .................................. 3

Courses of Instruction
Note: Students who are interested in taking Applied Music courses (MUAP), please see the department chairperson. Special fee. Music majors only.

MSSN 101 SECONDARY INSTRUMENT PIANO I .................................................. 1.0
Keyboard skills including major and minor scales, arpeggios and chord progressions, sightreading, transposition, harmonization, improvisation. Group instruction.

MSSN 102 SECONDARY INSTRUMENT PIANO II .................................................. 1.0
Continuation of MSSN 101. Group instruction.
Prerequisite: MSSN 101; Music majors or minors only.

MSSN 103 SECONDARY INSTRUMENT PIANO III .................................................. 1.0
Continuation of MSSN 102. Group instruction.
Prerequisite: MSSN 102; Music majors or minors only.

MSSN 104 SECONDARY INSTRUMENT PIANO IV .................................................. 1.0
Continuation of MSSN 103. A final comprehensive examination must be passed at the end of the semester. Group instruction.
Prerequisite: MSSN 103; Music majors or minors only.

MSSN 111 SECONDARY INSTRUMENT VOICE I .................................................. 1.0
These courses give to the non-primary vocal student the fundamental elements of vocal technique. The same elements are taught to voice secondary students in classes as are taught to voice primary students in private lessons.
Prerequisite: Music majors or minors only.
MSSN 112
SECONDARY INSTRUMENT VOICE II 1.0
Continuation of MSSN 111. Group instruction. 
Prerequisite: MSSN 111; Music majors or minors only.

MSSN 121
SECONDARY INSTRUMENT GUITAR I 1.0
Basic techniques of guitar playing including chording and melodic work. 
Group instruction. 
Prerequisite: Music majors or minors only.

MSSN 122
SECONDARY INSTRUMENT GUITAR II 1.0
Continuation of MSSN 121. Group instruction. 
Prerequisite: MSSN 121; Music majors or minors only.

MUCP 040
PRACTICUM IN MUSIC THEORY/COMPOSITION 0.5
A forum for students majoring in music theory and/or composition to present 
completed and on-going projects to peers for critiquing, as well as hearing 
presentations by visiting specialists in these areas. May be repeated eight times 
for a total of four credits. 
Prerequisite: Music Theory/Composition majors only.

MUCP 101
THEORY I 3.0
Study of harmony, counterpoint and musical analysis of small forms. Must be 
taken with MUCP 103. 
Prerequisites: Music majors or minors only. 
Corequisite: MUCP 103.

MUCP 102
THEORY II 3.0
Continuation of MUCP 101. Must be taken with MUCP 104. 
Prerequisites: MUCP 101; Music majors or minors only. 
Corequisite: MUCP 104.

MUCP 103
AURAL SKILLS I 1.0
Sight reading and dictation in major and minor modes, using diatonic chord 
progressions. Basic solfeggio. Must be taken with MUCP 101. 
Prerequisites: Music majors or minors only. 
Corequisite: MUCP 101.

MUCP 104
AURAL SKILLS II 1.0
Continuation of MUCP 103; must be taken with MUCP 102. 
Prerequisites: MUCP 101; Music majors or minors only. 
Corequisite: MUCP 102.

MUCP 141
MUSICAL COMPOSITION 2.0
Practical exploration of the various trends in 20th century composition. 
Prerequisite: Majors only.

MUCP 150
FUNDAMENTALS OF MUSIC FOR THE NON-MAJOR 3.0
Introduction to music notation; reading of clefs, key signatures and their 
relationship to various modes; rhythm and meter: basic harmonic structures 
(intervals, triads, and seventh chords). Sight singing and dictation stressed. 
Meets the 1983 General Education Requirement (GER)–Electives, Creative 
Expression.

MUCP 201
THEORY III 3.0
Chromatic harmony; intermediate contrapuntal techniques; analysis of the 
larger instrumental forms. 
Prerequisites: MUCP 102; Music majors or minors only. 
Corequisite: MUCP 203.

MUCP 202
THEORY IV 3.0
Continuation of MUCP 201. Must be taken with MUCP 204. 
Prerequisites: MUCP 201, Music majors or minors only. 
Corequisite: MUCP 204.

MUCP 203
AURAL SKILLS III 1.0
Chromatic and non-tonal sight reading and dictation. "Fixed do" solfeggio. To 
be taken with MUCP 201. 
Prerequisites: MUCP 104; Music majors or minors only. 
Corequisite: MUCP 201.

MUCP 204
AURAL SKILLS IV 1.0
Continuation of MUCP 203. Must be taken with MUCP 202. 
Prerequisites: MUCP 203; Music majors or minors only. 

MUCP 245
PRIVATE STUDY IN COMPOSITION I 2.0
Restricted to majors in theory/composition. 
Prerequisites: Music major; special fee.

MUCP 246
PRIVATE STUDY IN COMPOSITION II 2.0
Restricted to majors in theory/composition. 
Prerequisites: MUCP 245; special fee.

MUCP 303
THEORY V-COUNTERPOINT 3.0
Study of part writing, species free contrapuntal practices and techniques. 
Contrapuntal and layer analysis. 
Prerequisites: MUCP 202; Music majors only.

MUCP 304
THEORY VI-ORCHESTRATION 3.0
Study of compositional and arranging techniques appropriate to writing for 
individual instruments and voices and for ensembles of various size and 
character. 
Prerequisites: MUCP 202, Music majors only.

MUCP 310
KEYBOARD HARMONY I 1.0
Skills pianists will need as professional performers, therapists, and educators. 
Harmonization, transposition, improvisation, realization of figured bass, 
reduction of open scores, and sight reading. 
Prerequisites: MUCP 102; Music majors or minors only.

MUCP 311
KEYBOARD HARMONY II 1.0
Continuation of MUCP 310. 
Prerequisites: MUCP 310; Music majors or minors only.

MUCP 345
PRIVATE STUDY IN COMPOSITION III 2.0
Restricted to majors in theory/composition. 
Prerequisites: MUCP 246; Special fee.

MUCP 346
PRIVATE STUDY IN COMPOSITION IV 2.0
Restricted to majors in theory/composition. 
Prerequisites: MUCP 345; special fee.

MUCP 361
ADVANCED STUDIES IN MICROTONAL MUSIC 3.0
Advanced studies in Microtonal Music, Harry Partch's theories and composi-
tions, contemporary compositional applications. 
Prerequisite: MUHS 361.

MUCP 362
MICROTONAL COMPOSITION PROJECTS 2.0
Composition projects for the MSU Harry Partch Ensemble. May be repeated 
3 times for a total of 8 credits. 
Prerequisite: MUHS 361.
Corequisite: MUPR 361.
MUCP 412  
ELECTRONIC MUSIC COMPOSITION 2.0  
Exploration of electronic music techniques; practical experience in both concrete and synthesizer music.  
*Prerequisites:* MUCP 202; Music majors only.

MUCP 445  
PRIVATE STUDY IN COMPOSITION V 3.0  
Restricted to majors in theory/composition.  
*Prerequisites:* Majors only; MUCP 346; special fee.

MUCP 446  
PRIVATE STUDY IN COMPOSITION VI 3.0  
Restricted to majors in theory/composition.  
*Prerequisites:* Majors only; MUCP 445; special fee.

MUCP 499  
INDEPENDENT STUDY IN MUSIC THEORY/COMPOSITION 1.0-4.0  
Project and/or study area planned with sponsoring faculty member.  
*Prerequisite:* Departmental approval.

MUED 105  
INSTRUMENTAL TECHNIQUES: STRINGS I 1.0  
Basic playing skills and pedagogical techniques for teaching violin and viola at the elementary and secondary school levels.  
*Prerequisite:* Music majors only.

MUED 106  
INSTRUMENTAL TECHNIQUES: STRINGS II 1.0  
Basic playing skills and pedagogical techniques for teaching cello and string bass at the elementary and secondary school levels.  
*Prerequisites:* Music majors only; MUED 105.

MUED 132  
MARCHING BAND TECHNIQUES 1.0  
Methods, organization and planning; drill design, playing, rehearsal techniques. Music majors only.  
*Prerequisite:* Music majors only.

MUED 200  
INTRODUCTION TO MUSIC EDUCATION 2.0  
Methodologies, techniques and materials of music education. Philosophical and practical foundations and applications of learning theories.  
*Prerequisite:* Sophomore standing; Music majors only.

MUED 201  
PRACTICUM IN MUSIC EDUCATION I 1.0  
Supervised observation and participation in public school music classes and activities.  
*Prerequisites:* Music education concentration students only.

MUED 202  
PRACTICUM IN MUSIC EDUCATION II 1.0  
Development of teaching skills by observation of public school music instruction and by serving as a teacher’s aide.  
*Prerequisites:* MUED 320; Music education concentration students only.

MUED 205  
INSTRUMENTAL TECHNIQUES: BRASS I 1.0  
Basic playing skills and pedagogical techniques for teaching trumpet and French horn at the elementary and secondary school levels.  
*Prerequisite:* Music majors only.

MUED 206  
INSTRUMENTAL TECHNIQUES: WOODWIND I 1.0  
Basic playing skills and pedagogical techniques for teaching clarinet and saxophone at the elementary and secondary school levels.  
*Prerequisite:* Music majors only.

MUED 207  
INSTRUMENTAL TECHNIQUES: BRASS II 1.0  
Basic playing skills and pedagogical techniques for teaching trombone, baritone horn/euphonium, and tuba at the elementary and secondary school levels. May be repeated twice for a total of 3 semester hours.  
*Prerequisite:* Music majors only; MUED 205.

MUED 208  
INSTRUMENTAL TECHNIQUES: WOODWINDS II 1.0  
Basic playing skills and pedagogical techniques for teaching oboe, flute, and bassoon at the elementary and secondary school levels. May be repeated twice for a total of 3 semester hours.  
*Prerequisite:* Music majors only; MUED 206.

MUED 301  
LABORATORY ENSEMBLE 0.50  
Study of rehearsal and conducting techniques, performance procedures, and application of skills involving secondary instruments. May be taken four times for a total of 2.0 credits.  
*Prerequisites:* MUPR 335; two of the following: MUED 105, MUED 106, MUED 205, MUED 206, MUED 207, MUED 208, MUED 306.

MUED 306  
PERCUSSION INSTRUMENTS 1.0  
Elementary skills on snare drum, bass drum, timpani, cymbals, bells, etc.; materials and methods for teaching these instruments in the classroom. Music majors only.  
*Prerequisite:* Music majors only.

MUED 320  
MUSIC CLASSROOM METHODS I 3.0  
Processes of music teaching which enhance problem solving and critical thinking on the part of the student. Principles of designing strategies which encourage the development of music skills, creative musical thinking, and positive attitudes in both the general and instrumental classroom setting. Sequential curriculum. Discussion of current methodologies.  
*Prerequisites:* MUCP 202; Music majors only.

MUED 321  
MUSIC CLASSROOM METHODS II 3.0  
Musical approaches, activities, and materials appropriate for middle and high school non-performance classes. Special consideration given to musical and intellectual needs of developing adolescents and to current issues in Arts Education.  
*Prerequisite:* MUED 320.

MUED 334  
CHORAL METHODS 3.0  
This course will seek to provide an in-depth exploration of the teaching of choral music as applied to the school music program from the elementary level through secondary. Topics will include items such as program philosophy, recruitment and retention, program organization and management, literature selection and ensemble pedagogy.  
*Prerequisite:* MUCP 499; MUCP 202; MSSN 111 (non-vocal majors only); MUPR 335.

MUED 335  
CONDUCTING FOR MUSIC EDUCATORS 2.0  
Rehearsal and performance techniques involved in conducting elementary and secondary school ensembles. Hands-on conducting of Lab Ensemble.  
*Prerequisite:* MUPR 033.

MUED 405  
ORCHESTRA CONDUCTING AND SCORE READING 2.0  
Ear training appropriate to conducting, baton technique, score reading, interpretation.  
*Prerequisite:* MUPR 335; Music majors only.
MUED 420
INSTRUMENTAL METHODS 3.0
This course will seek to provide an in-depth exploration of the teaching of instrumental music as applied to the school music program from elementary level through secondary. Topics will include items such as program philosophy, recruitment and retention, program organization and management, literature selection, and ensemble pedagogy. 
Prerequisites: MUED 105 and 106 and MUED 205 and MUED 206 and MUED 207 and MUED 208 and MUED 305 and MUPR 335.

MUED 499
INDEPENDENT STUDY IN MUSIC EDUCATION 1.0-4.0
Project and/or study area planned with sponsoring faculty member. 
Prerequisite: Departmental approval.

MUGN 100
INTRODUCTION TO MUSIC 3.0

MUGN 160
INTRODUCTION TO MUSIC IN WORLD CULTURES 3.0
The cultural and artistic forces which shape the music of the non-Western world and the various folk and art musics resulting from those forces. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.

MUGN 199
FRESHMAN SEMINAR FOR MUSIC MAJORS 1.0
An introduction to Montclair State University, the School of the Arts, and the Music Department. The course covers the broad spectrum of music careers and fields as well as the culture of music in our society and the musician's relationship to this culture. Relevant issues relating to the common experience of all students will be discussed, focusing particularly on health and wellness, ethnic backgrounds and prejudices in our society, and the acquisition of "survival" skills to be a responsible, involved, and contributing student in the MSU community. Meets Gen Ed 2002–New Student Seminar.

MUGN 209
INTRODUCTION TO JAZZ 3.0

MUGN 236
THE AMERICAN MUSICAL 3.0
Introduction to the varieties of style in music for the purpose of extending dramatic action, characterization and atmosphere in musicals, operettas and musical comedies. Representative works from 1927 to present. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.

MUGN 250
RAP AND ROCK AS CULTURAL PHENOMENA 3.0
This course will explore the creative process in music of urban cultures. It will examine social structures, and the criteria of the groups which make and appreciates styles that emanate from urban cultures. Rap music will be the primary focus. Attention will also be given to other styles, such as Rock, rooted in the same historical background. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. Meets the Multicultural Awareness Requirement.

MUGN 352
MUSIC IN FILM 3.0
Aesthetic and social effects of music on cinematography; enhancing plot, augmenting visual qualities and focusing audience attention. Music from early silent films to modern. No previous music or film experience required.
MUPR 034
OPERAWORKSHOP  0.0-2.0
Opera studied through performance. Nature of dramatic music, problems of
movement, make-up, costuming, props and scenery.
Prerequisite: Departmental approval.

MUPR 038
COLLEGIUMMUSICUM  0.0-0.5
Workshop in performance of Medieval, Renaissance, and Baroque music for
instrumentalists and singers. Introduction to the elements of Renaissance
musicianship (solmization, modes, musica ficta, notation, improvisation, and
ornamentation). Introduction on early instruments (recorder, lute, viol, others).
Concert performances of repertory studied.

MUPR 039
PERFORMANCEPRACTICUM  0.0
All music majors must register for this number each semester in order to free
their schedules for recital and masterclass commitments. This course is offered
as Pass/Fail only.

MUPR 040
PERFORMANCEPRACTICUMFORPERFORMANCEMAJORS  0.5
Performance of repertoire for coaching in interpretation, style, analysis,
technique, etc. Required in conjunction with each course in the primary and
major instrument.
Prerequisite: Music performance majors only.

MUPR 100
CLASSPIANOFORTHENON-MUSICMAJOR  3.0
Basic skills and fundamental knowledge of the keyboard. A basic knowledge
of music reading is helpful but not necessary. Meets the 1983 General
Education Requirement (GER)–Electives, Creative Expression.

MUPR 103
VOICECLASSFORTHENON-MUSICMAJOR  3.0
Study of singing through vocal exercises and the performance of English and
American art, theatrical and popular songs. Meets the 1983 General Education
Requirement (GER)–Electives, Creative Expression.

MUPR 130
INTRODUCTIONTODICTION:ENGLISHANDITALIAN  1.0
Introduction to the International Phonetic Alphabet and an overview of the
basic sounds of Italian and English as they are properly sung. Practice in
transcribing, pronouncing and singing examples of Italian and English vocal
repertory.
Prerequisites: Majors and minors only.

MUPR 131
DICTIONOVERVIEW:GERMANANDFRENCH  1.0
Continued work with the International Phonetic Alphabet and an overview of the
basic sounds of German and French as they are properly sung. Practice in
transcribing, pronouncing, and singing examples of German and French vocal
repertory.
Prerequisites: Majors only; MUPR 130.

MUPR 201
KEYBOARDLITERATUREI  2.0
Investigation of standard keyboard repertory from the early Baroque through
the early Romantic.
Prerequisite: Music Performance majors only.

MUPR 202
KEYBOARDLITERATUREII  2.0
Investigation of standard keyboard repertory from the early Romantic to the
present.
Prerequisites: MUPR 201, Music Performance majors only.

MUPR 203
SOPHOMORERECITAL  1.0
Public performance of solo literature. Required of MUPR majors. This course
will be graded.
Prerequisites: Music Performance majors only.

MUPR 204
PIANOACCOMPANYING  2.0
Problems of transposition, ensemble, interpretation and sight reading as
applied to accompanying vocal and instrumental literature.
Prerequisite: Music majors or minors only.

MUPR 276
INSTRUMENTALLITERATUREI  2.0
Survey of various instrumental genres for solo, small ensemble and orchestra.
Prerequisite: Music Performance majors only.

MUPR 277
INSTRUMENTALLITERATUREII  2.0
Continuation of Instrumental Literature I.
Prerequisites: MUPR 276; Music Performance majors only.

MUPR 301
CHAMBERENSEMBLEPERFORMANCE  0.0-0.5
Study through playing or singing of chamber music in ensembles of varying
size and musical styles.
Prerequisite: Departmental approval.

MUPR 302
JAZZENSEMBLE  0.0-0.5
Contemporary ensemble requirements like jazz phrasing, section playing,
interpretation, improvisation studied through ensemble rehearsal and perfor-
man ce.
Prerequisite: Departmental approval.

MUPR 303
JUNIORRECITAL  1.0
Public performance of solo literature. Required of MUPR majors, if MUPR
203 not completed. This course will be graded.
Prerequisites: Music Performance majors only.

MUPR 335
ELEMENTARYCONDUCTING  2.0
Baton techniques and clef reading in orchestral and choral scores.
Prerequisite: All Music majors or minors.

MUPR 361
HARRYPARTCHENSSEMBLE  0.5
Learning to play instruments from the Harry Partch instrumentarium and new
techniques on standard instruments, voice. Repertoire ensemble. May be
repeated 7 times for a total of 4 credits.

MUPR 403
SENIORRECITAL  0.0
Public performance of solo literature. Required of MUED and MUPR majors.
If taken for 1.0 credit (MUPR majors), this course will be graded.
Prerequisites: Music majors only.

MUPR 410
BEGINNINGJAZZIMPROVISATION  1.0
Study and application of techniques of jazz improvisation for beginning
improvisers, including pedagogical considerations. Both the modal and
pentatonic methods will be explored with a constant emphasis upon stylistic
consideration based in the aural tradition. May be repeated once for a total of
two credits.
Prerequisites: MUCP 101 and MUCP 102 or departmental approval.

MUPR 411
JAZZPEDAGOGY  1.0
In preparation for the demands of public school teaching, this course will
provide a practical pedagogical focus on jazz ensemble instruction. Emphasis
will be on the whole and components of small and large instrumental and vocal
jazz ensembles with particular emphasis on the rhythm section. Also included
will be a pedagogical perspective on content studied in MUPR 410.
Prerequisite: MUPR 410.
MUTH 260
PIANO PEDAGOGY I  2.0
Methods and materials of teaching piano for piano grades I through IV.
Prerequisites: Music majors only.

MUTH 439
PEDAGOGY I  2.0
Methods and materials of instruction in music.
Prerequisite: Music majors only.

MUTH 441
PEDAGOGY OF THE VOICE  2.0
teaching techniques and pedagogical literature pertinent to instruction in
Prerequisite: Music majors only.

MUTH 499
INDEPENDENT STUDY IN MUSIC PERFORMANCE  1.0-4.0
Project and/or study planned with sponsoring faculty member.
Prerequisite: Departmental approval.

MUTC 101
MUSIC AND COMPUTER TECHNOLOGY I  1.0
Introduction to the musical applications of computer technology. Hands-on
Prerequisite: Departmental approval.

MUTC 103
INTRODUCTION TO AUDIO TECHNOLOGY IN THE STUDIO I  1.0
An introductory course to audio and recording technology. Focus will include
Prerequisite: Departmental approval.

MUTC 361
MUSIC INSTRUMENT INVENTION  2.0
Studies in the acoustics and instrument construction through creative projects
Prerequisite: Departmental approval.

MUTH 100
INTRODUCTION TO MUSIC THERAPY  2.0
Survey of use of music therapy with various populations and other topics of
relevance to the music therapist.

MUTH 260
METHODS AND MATERIALS IN MUSIC THERAPY  2.0
A variety of music activities and how to adapt them for music therapy settings;
leadership techniques; simple instruments used in therapy.
Prerequisites: MUTH 261; Music Therapy majors only.
Corequisite: MUTH 263.

MUTH 261
THERAPY AND OBSERVATION SKILLS FOR MUSIC THERAPY  2.0
Observing, measuring, and recording behavior in a music therapy setting and
other aspects of planning for music therapy session as well as observing music
therapy sessions.
Prerequisite: MUTH 100; Music Therapy majors only.
Corequisite: MUTH 262.

MUTH 262
MUSIC THERAPY PRACTICUM I  1.0
Improvement of the functioning of a client or group of clients with physical or
mental disabilities through the use of music therapy. Discussion of the clients
and their progress and other aspects of the clinical work.
Prerequisites: Music Therapy majors only.
Corequisite: MUTH 261.

MUTH 263
MUSIC THERAPY PRACTICUM II  1.0
Continuation of MUTH 262.
Prerequisite: Music Therapy majors only. Special fee.
Corequisite: MUTH 260.

MUTH 306
PIANO ACCOMPANYING TECHNIQUES FOR THE
MUSIC THERAPIST  1.0
Accompanying techniques adapted for music therapy. Choral harmonization,
playing by ear, sightreading, learning music therapy repertoire.
Prerequisite: MUSN 104 or MUCP 311; Music Therapy majors only.

MUTH 307
PIANO IMPROVISATION FOR THE MUSIC THERAPIST  1.0
Improvisation in a variety of styles. Clinical adaptations.
Prerequisite: MUTH 306; Music Therapy majors only.

MUTH 361
MUSIC THERAPY PRACTICUM III  1.0
Continuation of MUTH 263.
Prerequisite: Music Therapy majors only.
Corequisite: MUTH 461.

MUTH 362
MUSIC THERAPY PRACTICUM IV  1.0
Continuation of MUTH 361.
Prerequisite: Music Therapy majors only. Special fee.
Corequisite: MUTH 463.

MUTH 363
MUSIC THERAPY PRACTICUM V  1.0
Continuation of MUTH 362.
Prerequisite: Music Therapy majors only.
Corequisite: MUTH 462.

MUTH 364
MUSIC THERAPY PRACTICUM VI  1.0
Continuation of MUTH 363.
Prerequisite: Music Therapy majors only. Special fee.
Corequisite: MUTH 464.

MUTH 400
MUSIC THERAPY TRAINING GROUP  1.5
Expression and exploration of feelings through use of creative media. Particu-
lar attention to process so that experience may be generalized and subsequently
used with client groups. Meets 2 1/2 hours per week.
Prerequisite: MUTH 260.

MUTH 402
GUIDED IMAGERY AND MUSIC (GIM)  1.5
Introduction to the facets of Guided Imagery and Music. Theory and process
of the technique will be explored verbally and experientially. Is equivalent
(with possible additional requirements) to Level I GIM training.
Prerequisite: MUTH 260.

MUTH 461
MUSIC THERAPY WITH CHILDREN  3.0
Ways in which music and the therapist may be used to influence the behavior
of children, the mentally retarded, and the physically disabled.
Prerequisites: MUTH 260; Music Therapy majors only.
Corequisite: MUTH 361.

MUTH 462
MUSIC THERAPY WITH ADULTS  3.0
Ways in which music therapy may be used in working with adult psychiatric
patients, addictions, offenders, and geriatrics. Setting up a music therapy
program.
Prerequisite: MUTH 260; Music Therapy majors only.
Corequisite: MUTH 363.

MUTH 463
PSYCHOLOGICAL FOUNDATIONS OF MUSIC I  3.0
Emotional correlates of the musical experience are explored through research
findings, psychological testing and inquiry, and philosophy. Current theories
applied to practice in music therapy, education and performance are discussed.
Prerequisite: MUTH 260; Music Therapy majors only.
Corequisite: MUTH 362.
MUTH 464
PSYCHOLOGICAL FOUNDATIONS OF MUSIC II 3.0
Basic techniques of conducting, reading, and interpreting psychological research in music are reviewed. Quantitative and qualitative methodologies are emphasized. Implication for various aspects of music are discussed.
Prerequisite: MUTH 260; Music Therapy majors only.
Corequisite: MUTH 364.

MUTH 465
INTERNSHIP IN MUSIC THERAPY 1.0
Six months clinical training as a music therapy intern in an approved training program.
Prerequisite: Departmental approval.

MUTH 499
INDEPENDENT STUDY IN MUSIC THERAPY 0.5-4.0
Project and/or study planned with sponsoring faculty member.
Prerequisite: Departmental approval.
PHILOSOPHY AND RELIGION

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Chairperson: Michael S. Kogan

Taking courses in philosophy and religious studies means gaining a greater ability to think clearly and independently about the central issues of human life. These studies present the occasion and the means to reflect critically on basic values and beliefs. The courses complement other major programs by enhancing awareness of the philosophical, ethical and religious elements and implications of other academic studies.

Both areas can be taken as a major leading to a Bachelor of Arts degree. They are also good second majors to enrich a liberal arts interest. A minor is offered in both programs. Each major is excellent preparation for later graduate and professional work.

Philosophy Major
Required Courses (21 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 210</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 212</td>
<td>Social and Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 310</td>
<td>Knowledge, Belief and Truth</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 312</td>
<td>Existence and Reality</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 331</td>
<td>History of Philosophy: Ancient Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 333</td>
<td>History of Philosophy: Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 424</td>
<td>Seminar in Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

Philosophy Electives .................................................................................12

To fulfill this requirement a student may take any four PHIL courses except for the seven required courses listed above.

Total Semester Hours...............................................................................33

Philosophy Minor
Required Courses (18 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History and Movements in Philosophy (odd course numbers)</td>
<td>6-12</td>
<td></td>
</tr>
</tbody>
</table>

Note: The department recommends that the student consult with a departmental advisor for the choice of courses.

Religious Studies Major

I. Texts: Two courses required...........................................................6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 200</td>
<td>Old Testament: Genesis-Joshua</td>
<td>3</td>
</tr>
<tr>
<td>RELG 202</td>
<td>Old Testament: Joshua-Daniel</td>
<td>3</td>
</tr>
<tr>
<td>RELG 204</td>
<td>New Testament: Jesus and the Gospels</td>
<td>3</td>
</tr>
<tr>
<td>RELG 207</td>
<td>Religious Texts in America: Women</td>
<td>3</td>
</tr>
<tr>
<td>RELG 214</td>
<td>Classical Texts of Asian Religions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 300</td>
<td>Classics of Western Religious Thought</td>
<td>3</td>
</tr>
<tr>
<td>RELG 352</td>
<td>Selected Study in Religious Texts</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Issues: Two courses required .......................................................6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 103</td>
<td>Religion and Moral Issues</td>
<td>3</td>
</tr>
<tr>
<td>RELG 104</td>
<td>Feminist Theology and Spirituality</td>
<td>3</td>
</tr>
<tr>
<td>RELG 218</td>
<td>Death, Dying, and Afterlife</td>
<td>3</td>
</tr>
<tr>
<td>RELG 225</td>
<td>Religion and Social Change</td>
<td>3</td>
</tr>
<tr>
<td>RELG 273</td>
<td>The Holocaust: Religious Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>RELG 332</td>
<td>Myth, Meaning and Self</td>
<td>3</td>
</tr>
<tr>
<td>RELG 357</td>
<td>Selected Study in Religious Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

III. Approaches: Two courses required.................................................6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 101</td>
<td>Introduction to Religion</td>
<td>3</td>
</tr>
<tr>
<td>RELG 221</td>
<td>Religion and Culture</td>
<td>3</td>
</tr>
<tr>
<td>RELG 262</td>
<td>Philosophy of Religion</td>
<td>3</td>
</tr>
</tbody>
</table>

IV. Global Religious Traditions: (RELG 100, plus 3 other courses) ...12

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 100</td>
<td>Religions of the World (required)</td>
<td>3</td>
</tr>
<tr>
<td>RELG 106</td>
<td>African Religious Traditions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 108</td>
<td>African-American Religious Experience</td>
<td>3</td>
</tr>
<tr>
<td>RELG 210</td>
<td>Native American Religions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 212</td>
<td>Asian Religions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 213</td>
<td>Buddhism</td>
<td>3</td>
</tr>
<tr>
<td>RELG 215</td>
<td>Hinduism</td>
<td>3</td>
</tr>
<tr>
<td>RELG 216</td>
<td>Islamic Religious Traditions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 217</td>
<td>Taoism</td>
<td>3</td>
</tr>
<tr>
<td>RELG 223</td>
<td>Religion in North America</td>
<td>3</td>
</tr>
<tr>
<td>RELG 256</td>
<td>Religion in Latin America</td>
<td>3</td>
</tr>
<tr>
<td>RELG 258</td>
<td>Christian History and Thought</td>
<td>3</td>
</tr>
<tr>
<td>RELG 301</td>
<td>Contemporary Jewish Thought</td>
<td>3</td>
</tr>
<tr>
<td>RELG 350</td>
<td>Selected Study in World Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

V. Seminars: One required....................................................................3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 460</td>
<td>Seminar in World Religions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 462</td>
<td>Seminar in Religious Texts</td>
<td>3</td>
</tr>
<tr>
<td>RELG 465</td>
<td>Seminar in Religion and Culture</td>
<td>3</td>
</tr>
<tr>
<td>RELG 467</td>
<td>Seminar in Religious Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

Focus: In selecting courses from the above categories, students must include at least one of the following: RELG 104, RELG 207, RELG 267.

Total Semester Hours................................................................................33

Religious Studies Minor

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 100</td>
<td>Religions of the World</td>
<td>3</td>
</tr>
<tr>
<td>RELG 101</td>
<td>Introduction to Religion</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 460</td>
<td>Seminar in World Religions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 462</td>
<td>Seminar in Religious Texts</td>
<td>3</td>
</tr>
<tr>
<td>RELG 465</td>
<td>Seminar in Religion and Culture</td>
<td>3</td>
</tr>
<tr>
<td>RELG 467</td>
<td>Seminar in Religious Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Departmental)

Select four additional RELG courses .................................................12

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 103</td>
<td>Religions of the World</td>
<td>3</td>
</tr>
<tr>
<td>RELG 104</td>
<td>Feminist Theology and Spirituality</td>
<td>3</td>
</tr>
<tr>
<td>RELG 106</td>
<td>African Religious Traditions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 108</td>
<td>African-American Religious Experience</td>
<td>3</td>
</tr>
<tr>
<td>RELG 210</td>
<td>Native American Religions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 212</td>
<td>Asian Religions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 213</td>
<td>Buddhism</td>
<td>3</td>
</tr>
<tr>
<td>RELG 215</td>
<td>Hinduism</td>
<td>3</td>
</tr>
<tr>
<td>RELG 216</td>
<td>Islamic Religious Traditions</td>
<td>3</td>
</tr>
<tr>
<td>RELG 217</td>
<td>Taoism</td>
<td>3</td>
</tr>
<tr>
<td>RELG 223</td>
<td>Religion in North America</td>
<td>3</td>
</tr>
<tr>
<td>RELG 256</td>
<td>Religion in Latin America</td>
<td>3</td>
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<td>RELG 258</td>
<td>Christian History and Thought</td>
<td>3</td>
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<td>RELG 301</td>
<td>Contemporary Jewish Thought</td>
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</tr>
<tr>
<td>RELG 350</td>
<td>Selected Study in World Religions</td>
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<tr>
<td>RELG 200</td>
<td>Old Testament: Genesis-Joshua</td>
<td>3</td>
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<td>RELG 204</td>
<td>New Testament: Jesus and the Gospels</td>
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<td>Religion and Culture</td>
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<td>RELG 223</td>
<td>Religion in North America</td>
<td>3</td>
</tr>
<tr>
<td>RELG 225</td>
<td>Religion and Social Change</td>
<td>3</td>
</tr>
<tr>
<td>RELG 227</td>
<td>Women in Religion</td>
<td>3</td>
</tr>
<tr>
<td>RELG 237</td>
<td>The Holocaust: Religious Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>RELG 300</td>
<td>Classics of Western Religious Thought</td>
<td>3</td>
</tr>
</tbody>
</table>
REL G 301 Contemporary Jewish Thought .................................3
REL G 326 Theology.................................................................3
REL G 332 Myth, Meaning and Self..........................................3
REL G 350 Selected Study in World Religions.............................3
REL G 352 Selected Study in Religious Texts..............................3
REL G 355 Selected Study in Religion and Culture.......................3
REL G 357 Selected Study in Religious Issues.............................3
REL G 460 Seminar in World Religions.....................................3
REL G 462 Seminar in Religious Texts......................................3
REL G 465 Seminar in Religion and Culture................................3
REL G 467 Seminar in Religious Issues....................................3

Total Semester Hours..................................................................... 18

Courses of Instruction
Philosophy

PHIL 100 INTRODUCTION TO PHILOSOPHY ...............................3.0

PHIL 106 LOGIC ........................................................................3.0
The forms of deductive and inductive argument in traditional logic, the fundamentals of modern formal logic. Meets Gen Ed 2002-Philosophy or Religion. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

PHIL 202 ETHICS AND BUSINESS ...........................................3.0
A study of the meaning of morality in the modern world of business. Course contains a balance of theory and practice as it examines behavior of business against background of conflicting ethical theory.

PHIL 204 PHILOSOPHICAL ISSUES IN BIOMEDICAL ETHICS ....3.0
A study of moral decision making in regard to specific moral problems arising in such areas of contemporary medical research and practice as experimentation on human subjects, euthanasia, abortion, information rights of patients, and eugenic sterilization.

PHIL 206 PHILOSOPHICAL ISSUES IN LAW AND JUSTICE ......3.0
An examination of current philosophical accounts of both distributive and retributive justice. Close attention will be paid to such specific issues as the right of society to legislate its common morality, the use of behavior modification techniques on criminal offenders and the restoration of capital punishment.

PHIL 210 ETHICS ......................................................................3.0
The nature of ethical judgments, the meaning of moral concepts, the conditions of moral responsibility and the methodological presuppositions of ethical theories. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

PHIL 212 SOCIAL AND POLITICAL PHILOSOPHY ......................3.0
The nature of society and the state, their relation to each other and to the individual, and an evaluation of some main political and social ideas. Meets the 1983 General Education Requirement (GER)-Humanities, Philosophy/Religion.

PHIL 231 AMERICAN PHILOSOPHY ...........................................3.0
The major American philosophers and philosophical movements with emphasis on Peirce, James, Royce, and Dewey.

PHIL 233 CONTEMPORARY PHILOSOPHERS ..............................3.0
The major movements in contemporary philosophy, studied through writings of leading exponents.

PHIL 237 ASIAN PHILOSOPHY ..................................................3.0
Philosophical interpretations of experience and reality in representative movements of Eastern thought. Meets the Multicultural Awareness Requirement.

PHIL 239 EXISTENTIALISM ..........................................................3.0
The major themes and concepts of existentialism in selected writings of the existentialist philosophers.

PHIL 260 PHILOSOPHIES OF ART ...............................................3.0
The major philosophies of art in the history of Western thought. The conceptual network of ideas of the thinker in question will be delineated, and connections shown between the thinker and the philosophical and artistic themes of that period.

PHIL 262 PHILOSOPHY OF RELIGION ........................................3.0
The nature and shape of religious experience; criteria for meaning within religious thought and language. Metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.

PHIL 264 CRITICAL REASONING AND ARGUMENTS ..............3.0
An intermediary level course concentrating upon argumentation and rhetorical devices as they actually function in everyday conversation, philosophical discussion, forensic debate, etc. Arguments will be examined with an eye to penetrating purely formal structure and discovering the underlying dynamics which contribute to cogency in a given context.

PHIL 266 PHILOSOPHY OF SCIENCE .........................................3.0
The epistemological character of scientific thought and the relevance of scientific findings for the clarification and eventual resolution of traditional philosophical issues.

PHIL 270 PHILOSOPHY OF MIND .............................................3.0
Philosophical issues arising from the study of mental processes including the relation of a person to the body, life after death, and the possible reduction of consciousness to a brain process.

PHIL 271 PHILOSOPHY OF SPORT ............................................3.0
Survey of the philosophical aspects of sport along with development of philosophical ideas about sport from the origins of competitive sport to the present. Special attention will be paid to such classic issues as the ontological status of games, sport as moral education, and athletics as substitutes for war.

PHIL 280 PHILOSOPHY OF CYBERSPACE ....................................3.0
Contemporary and classical philosophical and ethical issues as applied to computer-mediated communication.

PHIL 290 FIELDS OF PHILOSOPHY: SELECTED TOPICS ..........3.0
Selected study of major fields in philosophy. Philosophy of science, philosophy of history, philosophy of law. Topics announced each semester.

PHIL 295 PERIODS AND MOVEMENTS: SELECTED TOPICS ......3.0
Topics announced each semester.

PHIL 310 KNOWLEDGE, BELIEF AND TRUTH ..............................3.0
The major issues and theories concerning the relationship between knowledge, experience and reality.

PHIL 312 EXISTENCE AND REALITY ..........................................3.0
An examination of major philosophical theories concerning the nature of reality.
PHIL 316
PHILOSOPHY OF LAW  3.0
An introduction to the philosophical issues of jurisprudence. Close attention is given to the status and nature of law, the concept of equality and the limits of law.

PHIL 324
LEGAL REASONING  3.0

PHIL 330
PHILOSOPHY AND DEATH  3.0
Seminar devoted to philosophical, mainly ethical and metaphysical, questions about death.

PHIL 331
HISTORY OF PHILOSOPHY: ANCIENT PHILOSOPHY  3.0
The major philosophical systems and movements from the pre-Socratics to Plotinus with special emphasis on Plato and Aristotle. Meets the University Writing Requirement for PHIL majors.

PHIL 333
HISTORY OF PHILOSOPHY: MODERN PHILOSOPHY  3.0
The major philosophical systems and movements from the Renaissance to Kant. Meets the University Writing Requirement for PHIL majors.

PHIL 334
THEORETICAL AND APPLIED ETHICS  3.0
Advanced seminar covering ethical theory and its application to post-modernism and other forms of relativism, the meaning of moral language and the possibility of religious and secular ethical foundations.

PHIL 335
NINETEENTH CENTURY PHILOSOPHY  3.0
A study of the major philosophical figures and movements of the nineteenth century, with special emphasis on Hegel and the Hegelian tradition.

PHIL 390
FIELDS OF PHILOSOPHY: SELECTED TOPICS  3.0
Selected study of major fields in philosophy. Topics announced each semester.

PHIL 395
PERIODS AND MOVEMENTS: SELECTED TOPICS  3.0
Topics announced each semester.

PHIL 424
SEMINAR IN PHILOSOPHY  3.0
Cooperative research seminars in major movements, problems, philosophers or works. Topic announced each semester.

PHIL 446
INDEPENDENT STUDY IN PHILOSOPHY  3.0-12.0
Directed independent study and research in philosophy. Open to students with a minimum of 3.0 cumulative average in at least 9 semester hours of philosophy.
Prerequisite: Departmental approval.

Religion
Courses of Instruction

RELG 101
INTRODUCTION TO RELIGION  3.0
An inquiry into man’s religious questions and expressions, their implications, and their critical appreciation and assessment. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 103
RELIGION AND MORAL ISSUES  3.0
Ethical issues as currently discussed by representative thinkers of the major Western religious traditions. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 104
FEMINIST THEOLOGY AND SPIRITUALITY  3.0
This course will examine primary religious documents, their traditional interpretations, and recent feminist interpretations of these documents. It will examine the feminist claim that the traditional mind/body dualism of Western thought serves as a basis for the subjugation of women in traditional patriarchal religions.

RELG 106
AFRICAN RELIGIOUS TRADITIONS  3.0
An introduction to the indigenous cosmological concepts, ritual practices, and value systems of the peoples of sub-Saharan Africa. The retentions of African religious beliefs and practices in the cultures of the "New World" as encountered in Voodoo in Haiti, Santeria in Cuba, and Candomble in Brazil will also be examined. Meets the Multicultural Awareness Requirement.

RELG 108
AFRICAN-AMERICAN RELIGIOUS EXPERIENCE  3.0
The course will aim at engaging students in an active examination of the role of religion in the life of African-Americans from the period of slavery to the present. Students will be expected to read extensively from a list of recommended texts and to write critical analyses on assigned topics. The style of instruction will combine lecture with discussion, thereby encouraging students to develop skills in critical thinking as well as the art of verbal expression. Meets the Multicultural Awareness Requirement.

RELG 200
OLD TESTAMENT: GENESIS TO JOSHUA  3.0
The evolution of the ancient Hebrew world view as developed in the biblical books covering the early period of Israelite history. The course includes a close reading of the books of Genesis, Exodus and Numbers, comparison with contemporary Middle Eastern religious texts and study of the biblical story from the creation through the career of Moses (circa 1250 B.C.E.).

RELG 202
OLD TESTAMENT: JOSHUA TO DANIEL  3.0
The history and theology of Israelite religion as seen in the biblical books covering the middle and late periods (1150-165 B.C.E.).

RELG 204
NEW TESTAMENT: JESUS AND THE GOSPELS  3.0
The story of Jesus of Nazareth as told in the Gospels of Mark and Matthew. The course explores Old Testament backgrounds, Jesus’ place in the Jewish religious context of first century Israel, the question of the historical Jesus and the origins of and relationships between the various gospel traditions.

RELG 206
NEW TESTAMENT: PAUL AND THE EARLY CHURCH  3.0

RELG 207
RELIGIOUS TEXTS IN AMERICA: WOMEN  3.0
The course will examine original texts by women written during the religious growth and development of such movements as Evangelicalism, Mormonism, the Westward missionary expansion, African-American slave narratives, hymns, sermons, and exhortations. Emphasis will be on the ways religion served as an acceptable locus of expression for women.
RELG 210
NATIVE AMERICAN RELIGIONS 3.0
An introduction to the religious traditions and spirituality of the Native American peoples. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

RELG 212
ASIAN RELIGIONS 3.0
The cultural and theological bases for the faith and practice of major Eastern religions - Buddhism, Confucianism, Hinduism, Taoism. Meets the Multicultural Awareness Requirement.

RELG 213
BUDDHISM 3.0
The exploration of Buddhist teachings, practices, history, and religious art in various Asian countries, notably India, Southeast Asia, Japan, and Tibet (may vary). Meets the Multicultural Awareness Requirement. No prerequisites, but RELG 100 Religions of the World, is recommended.

RELG 214
CLASSICAL TEXTS OF ASIAN RELIGIONS 3.0
This course emphasizes critical analysis and interpretation of primary textual sources. Students will read and examine primary documents from each of the Asian religions, their traditional interpretations and recent understandings and application of these texts.

RELG 215
HINDUISM 3.0
An introduction to Hindu religious traditions, including philosophy, yoga practice, ritual worship, and sacred art. No prerequisites, but RELG 100 Religions of the World is recommended.

RELG 216
ISLAMIC RELIGIOUS TRADITIONS 3.0
The historical origins of Islam, the emergence and development of various strands of religious tradition, and their impact on the modern world.

RELG 217
TAOISM 3.0
An introduction to Taoist religious texts and traditions, including the Tao Te Ching and Chuang Tzu; Taoist connections with traditional Chinese medicine and martial arts; Taoist ritual traditions; and sacred art. No prerequisites, but RELG 100 Religions of the World is recommended.

RELG 218
DEATH, DYING, AND AFTERLIFE 3.0
This course is designed to give students the opportunity to study cross cultural religious practices and attitudes toward death, dying and the afterlife. The course will cover the griefing process, rituals of death, and various cultural attitudes toward death, including symbolic “deaths” (initiations), and belief in limbo states, soul-survival, ghosts, heaven, hell, and karma and reincarnation. Meets the 1983 General Education Requirement (GER)–Humanities, Philosophy/Religion.

RELG 221
RELIGION AND CULTURE 3.0

RELG 223
RELIGION IN NORTH AMERICA 3.0
The growth and development of various religious movements--Protestant, Catholic, Jewish, and sectarian minorities--from colonial times to the present.

RELG 225
RELIGION AND SOCIAL CHANGE 3.0
Examines the impact of economic, social and political movements on religious belief and the ways in which religion has both furthered and impeded social development. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

RELG 256
RELIGION IN LATIN AMERICA 3.0
A survey of the variety of ways religion, both indigenous and Western, has interacted with culture and society in Latin America. Particular emphasis is given to the pluralism of religious expressions, including popular religion, syncretic religions such as Voodoo and Santeria, different forms of Protestantism, and liberation theology.

RELG 258
CHRISTIAN HISTORY AND THOUGHT 3.0
A survey of the history of the development of the Christian world-view, the evolution of Christian institutions and doctrines, and the triumphs and failures of Christianity through the period of the Reformation.

RELG 262
PHILOSOPHY OF RELIGION 3.0
A philosophical examination of religion. It includes the nature and shape of religious experience: criteria for meaning within religious thought and language, metaphysical and epistemological implications of such questions as the nature and existence of God, and the possibility of life after death.

RELG 263
RELIGION AND PSYCHOLOGY 3.0
The views of faith and the religious person reached by such major psychological approaches as the Freudian, Neo-Freudian, analytic-ego, existential and Jungian. The implications of such psychology for Jewish, Catholic, and Protestant believers and religious thinkers.

RELG 267
WOMEN IN RELIGION 3.0
Focuses on women’s own experience in religions and the various perspectives of women held by both Eastern and Western religious traditions. The course deals with questions such as the nature of women, patriarchy and religion, and roles of women in religions. Meets the Multicultural Awareness Requirement.

RELG 273
THE HOLOCAUST: RELIGIOUS PERSPECTIVES 3.0
A study of Nazi extermination of 6,000,000 Jews during World War II and the moral and religious issues raised by this event.

RELG 300
CLASSICS OF WESTERN RELIGIOUS THOUGHT 3.0
Selected works of significant theologians of the Western tradition on issues such as the nature of God, Christology, soteriology, ecclesiology, theodicy, etc.

RELG 301
CONTEMPORARY JEWISH THOUGHT 3.0
The writings of Rosenzweig, Buber, Heschel, Rubenstein, Fackenheim, Plaskow, Wyschogrod and others will be examined in detail. They will be studied in the context of the religious crisis of modern society which has generated Existentialism, Death of God theology and radical shifts in Jewish life (the Holocaust and the rebirth of Israel). Students will be introduced to popular Jewish religious practice in America and elsewhere as well as to the most complex Jewish theological speculation of this century.

RELG 332
MYTH, MEANING AND SELF 3.0
Selected psychological investigations and/or theories of religious phenomena; the implications for constructive theology and positive religious response.

RELG 350
SELECTED STUDY IN WORLD RELIGIONS 3.0
Topics announced each semester.

RELG 352
SELECTED STUDY IN RELIGIOUS TEXTS 3.0
Topics announced each semester.

RELG 355
SELECTED STUDY IN RELIGION AND CULTURE 3.0
Topics announced each semester.

RELG 357
SELECTED STUDY IN RELIGIOUS ISSUES 3.0
Topics announced each semester.
RELG 460
SEMINAR IN WORLD RELIGIONS 3.0
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.

RELG 462
SEMINAR IN RELIGIOUS TEXTS 3.0
Cooperative research seminar in major movements, problems, theologians.

RELG 465
SEMINAR IN RELIGION AND CULTURE 3.0
Cooperative research seminars in major movements, problems, theologians. Topic announced each semester.

RELG 467
SEMINAR IN RELIGIOUS ISSUES 3.0
Cooperative research seminars in major movements, problems, theologians or works. Topic announced each semester.

RELG 490
INDEPENDENT STUDY IN RELIGION 3.0-12.0
Directed independent study and research in religious studies. Open to students with a minimum of 3.0 cumulative average in at least 9 semester hours of religion. 
*Prerequisite: Departmental approval.*
POLS 100 Introduction to Politics ..........................................................3
POLS 101 American Government and Politics ......................................3
POLS 203 International Organizations ..................................................3
POLS 204 Government and Politics of Africa .......................................3
POLS 205 Introduction to Public Administration ..................................3
POLS 206 Government and Politics of China and Japan .......................3
POLS 214 Women in Politics .................................................................3
POLS 301 American Political Thought ..................................................3
POLS 302 Public Opinion and Pressure Groups ..................................3
POLS 303 Politics of Development and Modernization .......................3
POLS 304 State and Local Government ...............................................3
POLS 305 Campaign Politics ...............................................................3
POLS 306 Political Science Electives ....................................................6
POLS 307 American Political Thought ..................................................3
POLS 308 Ethic Politics in America .......................................................3
POLS 309 Urban Politics ......................................................................3
POLS 310 Public Personnel Administration ........................................3
POLS 311 Governmental Budgeting .....................................................3
POLS 312 Black Politics in America ......................................................3
POLS 314 Seminar in Campaign Politics .................................................3
POLS 315 Urban Administration ............................................................3
POLS 316 Contemporary Western European Politics .........................3
POLS 317 The American Congress .......................................................3
POLS 318 The American Presidency ....................................................3
POLS 320 Law in Society: Civil Law ......................................................3
POLS 321 Law in Society: Criminal Law ...............................................3
LSPR 301 Criminal Law and Procedure ...............................................3
POLS 322 American Constitutional Law: The Federal System ..............3
POLS 323 American Constitutional Law: Civil Rights and Liberties .....3
POLS 324 American Public Policy .........................................................3
POLS 330 American Foreign Policy .......................................................3
POLS 404 Government and Politics of India and South Asia ...............3
POLS 405 Government and Politics of Latin America .........................3
POLS 406 Government and Politics of the Middle East .......................3
POLS 407 Government and Politics in the Post-Soviet States ..........3
POLS 409 Modern Political Thought ....................................................3
POLS 410 Directed Study .................................................................3
POLS 412 Government and Politics in the East European States ..........3
POLS 416 Selected Topics in Political Science ......................................3
POLS 420 Seminar and Internship in Political Science .........................4
POLS 425 Politics of the Federal Bureaucracy ......................................3
POLS 426 Seminar and Internship in Public Administration I ..............4
POLS 427 Seminar and Internship in Public Administration II ..............4
POLS 429 Polling in the U.S. .................................................................3
POLS 430 International Law .................................................................3
POLS 435 Senior Honors Seminar ......................................................3
POLS 437 American Constitutional Law: The Federal System .........3
POLS 438 American Constitutional Law: Civil Rights and Liberties .3
POLS 441 Modern Political Thought ....................................................3
POLS 442 Directed Study ..................................................................3
POLS 443 Seminar and Internship in Political Science .........................4
POLS 444 Seminar and Internship in Public Administration I ..............4
POLS 445 Seminar and Internship in Public Administration II ............4
POL 101 Introduction to Politics ..........................................................3
POLS 104 State and Local Government ...............................................3
POLS 201 Comparative Politics ............................................................3
POLS 202 International Relations ........................................................3
POLS 205 Introduction to Public Administration ..................................3
POLS 214 Women in Politics ...............................................................3
POLS 240 Government and Politics of China and Japan .......................3
POLS 241 Women in Politics ...............................................................3
POLS 301 American Political Thought ..................................................3
POLS 302 Public Opinion and Pressure Groups ..................................3
POLS 303 Politics of Development and Modernization .......................3
POLS 304 State and Local Government ...............................................3
POLS 305 Campaign Politics ...............................................................3
POLS 306 Political Science Electives ....................................................6
POLS 307 American Political Thought ..................................................3
POLS 308 Ethic Politics in America .......................................................3
POLS 309 Urban Politics ......................................................................3
POLS 310 Public Personnel Administration ........................................3
POLS 311 Governmental Budgeting .....................................................3
POLS 312 Black Politics in America ......................................................3
POLS 314 Seminar in Campaign Politics .................................................3
POLS 315 Urban Administration ............................................................3
POLS 316 Contemporary Western European Politics .........................3
POLS 317 The American Congress .......................................................3
POLS 318 The American Presidency ....................................................3
POLS 320 Law in Society: Civil Law ......................................................3
POLS 321 Law in Society: Criminal Law ...............................................3
LSPR 301 Criminal Law and Procedure ...............................................3
POLS 322 American Constitutional Law: The Federal System ..............3
POLS 323 American Constitutional Law: Civil Rights and Liberties .3
POLS 324 American Public Policy .........................................................3
POLS 330 American Foreign Policy .......................................................3
POLS 404 Government and Politics of India and South Asia ...............3
POLS 405 Government and Politics of Latin America .........................3
POLS 406 Government and Politics of the Middle East .......................3
POLS 407 Government and Politics in the Post-Soviet States ..........3
POLS 409 Modern Political Thought ....................................................3
POLS 410 Directed Study .................................................................3
POLS 412 Government and Politics in the East European States ..........3
POLS 416 Selected Topics in Political Science ......................................3
POLS 420 Seminar and Internship in Political Science .........................4
POLS 425 Politics of the Federal Bureaucracy ......................................3
POLS 426 Seminar and Internship in Public Administration I ..............4
POLS 427 Seminar and Internship in Public Administration II ............4

Political Science Minor

Teacher Certification
(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course POLS 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Political Science Major

Required Courses

Electives (Departmental)
Select 18 semester hours from the following: ______________________________18
POLS 203 International Organizations ..................................................3
POLS 204 Government and Politics of Africa .......................................3
POLS 205 Introduction to Public Administration ..................................3
POLS 206 Government and Politics of China and Japan .......................3
POLS 214 Women in Politics ...............................................................3
POLS 301 American Party System ......................................................3
POLS 302 Public Opinion and Pressure Groups ..................................3
POLS 303 Politics of Development and Modernization .......................3
POLS 304 State and Local Government ...............................................3
POLS 305 Campaign Politics ...............................................................3
POLS 306 Political Science Electives ....................................................6
POLS 307 American Political Thought ..................................................3
POLS 308 Ethic Politics in America .......................................................3
POLS 309 Urban Politics ......................................................................3
POLS 310 Public Personnel Administration ........................................3
POLS 311 Governmental Budgeting .....................................................3
POLS 312 Black Politics in America ......................................................3
POLS 314 Seminar in Campaign Politics .................................................3
POLS 315 Urban Administration ............................................................3
POLS 316 Contemporary Western European Politics .........................3
POLS 317 The American Congress .......................................................3
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POLS 320 Law in Society: Civil Law ......................................................3
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POLS 324 American Public Policy .........................................................3
POLS 330 American Foreign Policy .......................................................3
POLS 404 Government and Politics of India and South Asia ...............3
POLS 405 Government and Politics of Latin America .........................3
POLS 406 Government and Politics of the Middle East .......................3
POLS 407 Government and Politics in the Post-Soviet States ..........3
POLS 409 Modern Political Thought ....................................................3
POLS 410 Directed Study .................................................................3
POLS 412 Government and Politics in the East European States ..........3
POLS 416 Selected Topics in Political Science ......................................3
POLS 420 Seminar and Internship in Political Science .........................4
POLS 425 Politics of the Federal Bureaucracy ......................................3
POLS 426 Seminar and Internship in Public Administration I ..............4
POLS 427 Seminar and Internship in Public Administration II ............4
POLS 430 International Law .................................................. 3
POLS 435 Senior Honors Seminar ....................................... 3

Minimum credits required for the Political Science Minor .......... 18

Public Administration Minor

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>POLS 101</td>
<td>American Government and Politics</td>
<td></td>
</tr>
<tr>
<td>POLS 205</td>
<td>Introduction to Public Administration</td>
<td></td>
</tr>
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</table>

Electives (Departmental)

Select 12 semester hours from the following list:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 304</td>
<td>State and Local Government</td>
<td></td>
</tr>
<tr>
<td>POLS 310</td>
<td>Public Personnel Administration</td>
<td></td>
</tr>
<tr>
<td>POLS 311</td>
<td>Governmental Budgeting</td>
<td></td>
</tr>
<tr>
<td>POLS 315</td>
<td>Urban Administration</td>
<td></td>
</tr>
<tr>
<td>POLS 324</td>
<td>American Public Policy</td>
<td></td>
</tr>
<tr>
<td>POLS 425</td>
<td>Politics of Federal Bureaucracy</td>
<td></td>
</tr>
<tr>
<td>POLS 427</td>
<td>Seminar and Internship in Public Administration I</td>
<td></td>
</tr>
</tbody>
</table>

Minimum required for the minor........................................ 18

Courses of Instruction

POLS 101
INTRODUCTION TO POLITICS 3.0
This course analyzes politics from the four main vantage points of the discipline of political science, that is, political theory, comparative politics, international relations and American government. Of special concern is the U.S. Constitution, its classical and English roots, and its development to the present. This course is required for Political Science majors. Meets Gen Ed 2002–Social Science, Social Science. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course.

POLS 205
INTRODUCTION TO PUBLIC ADMINISTRATION 3.0
Literature and developments in the field of public administration; the federal bureaucracy in the policy-making process.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 206
GOVERNMENT AND POLITICS OF CHINA-JAPAN 3.0
Governmental and political development, institutions, and practices in contemporary China-Japan. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

POLS 214
WOMEN IN POLITICS 3.0
The role of women in the functioning of the American political system. Meets the Multicultural Awareness Requirement.

POLS 302
PUBLIC OPINION AND PRESSURE GROUPS 3.0
The nature and development of public opinion and pressure groups in the United States and their influence on public policy and political process.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 303
POLITICS OF DEVELOPMENT AND MODERNIZATION 3.0
The major contemporary schools of political modernization and development theory; inter-relationship among political, social and economic variables.
Prerequisite: POLS 201.

POLS 304
STATE AND LOCAL GOVERNMENT 3.0
State political sub-systems, including their administrative and local sub-systems, federal-state relations, political institutions and groups in the states and in New Jersey. This course helps students understand lawmaking and enforcement as functions of state and local government.

POLS 306
CAMPAIGN POLITICS 3.0
This course is taught in election years and provides the student with field experience at the local precinct or party level.
Prerequisite: POLS 100 or 101.

POLS 307
AMERICAN POLITICAL THOUGHT 3.0
The development of American ideas covering political authority from Hamilton, Madison and Marshall to the present.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 308
ETHNIC POLITICS IN AMERICA 3.0
The political behavior of American ethnic groups from the Puritans to the Puerto Ricans. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: POLS 100, or 101, or departmental approval.

POLS 309
URBAN POLITICS 3.0
The policies, processes, inter-relationships and organization of governments in heavily-populated areas of the United States.

POLS 310
PUBLIC PERSONNEL ADMINISTRATION 3.0
The problems and processes in the U.S. of public personnel administration at the state and local level.

POLS 311
GOVERNMENTAL BUDGETING 3.0
The budgetary process in governmental agencies from the perspective of political demands and influences.
POLS 312  
BLACK POLITICS IN AMERICA 3.0  
Black participation in the American political system from the Colonial period to the present. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

POLS 314  
SEMINAR IN CAMPAIGN POLITICS 3.0  
Seminar in Campaign Politics provides an introduction to the history and theory surrounding elections in the United States and complements student practicums in POLS 306.  
Corequisite: POLS 306.

POLS 316  
CONTEMPORARY WESTERN EUROPEAN POLITICS 3.0  
Government and politics of Great Britain, France, Germany and Italy. Institutions, parties, ideologies and interest groups.

POLS 317  
THE AMERICAN CONGRESS 3.0  
This course will provide a detailed examination of the United States Congress. It will allow students to explore in depth one of the key American political institutions introduced to them in POLS 101. American Government and Politics.  
Prerequisite: POLS 101 or departmental approval.

POLS 318  
THE AMERICAN PRESIDENCY 3.0  
This course will provide a detailed examination of the American presidency. It will allow students who were introduced to the presidency in POLS 101, American Government and Politics, to explore in depth one of the key institutions of the American political system.  
Prerequisites: POLS 101 or departmental approval.

POLS 320  
LAW IN SOCIETY CIVIL LAW 3.0  
This course will examine the American civil legal system as it affects a variety of our social institutions.

POLS 321  
LAW IN SOCIETY: CRIMINAL LAW 3.0  
Introduces the student to institutions, processes, and social functions of criminal law. Students may take POLS 321 or LSPR 301 but not both courses as part of the Political Science major, the Paralegal Studies minor or the Criminal Justice minor.

POLS 322  
AMERICAN CONSTITUTIONAL LAW:  
THE FEDERAL SYSTEM 3.0  
Interpretation of Supreme Court decisions in the areas of the distribution of power within the national government and between the national government and the states.  
Prerequisite: POLS 101.

POLS 323  
AMERICAN CONSTITUTIONAL LAW:  
CIVIL RIGHTS AND LIBERTIES 3.0  
The development of the Constitution and the Supreme Court of the United States illustrated through reference to court opinions in civil rights and liberties.

POLS 324  
AMERICAN PUBLIC POLICY 3.0  
A study of the methods used to analyze public policy and an examination of current public policy issues. Special attention is given to the use of comparative analysis in analyzing American public policies. This course deals with issues such as crime, punishment, social welfare, drug abuse, child abuse, equality, health, education and the environment. It focuses on public policy responses to these issues.

POLS 330  
AMERICAN FOREIGN POLICY 3.0  
A consideration and analysis of the goals that the nation’s foreign policy officials seek to attain abroad, the values that give rise to those objectives, and the means or instruments through which they are pursued.  
Prerequisite: POLS 202.

POLS 405  
GOVERNMENT AND POLITICS OF LATIN-AMERICA 3.0  
Governmental and political development, organization and practices in the states of Central America and South America. Meets the Multicultural Awareness Requirement.  
Prerequisite: POLS 201 or departmental approval.

POLS 406  
GOVERNMENT AND POLITICS OF THE MIDDLE EAST 3.0  
Government and politics in the Arab states, Turkey, Israel and Iran.  
Prerequisite: POLS 201 or departmental approval.

POLS 407  
GOVERNMENT AND POLITICS IN THE POST-SOVIET STATES 3.0  
The political and institutional organizations of the countries of the former Soviet Union; contemporary political issues; party and governmental structures.  
Prerequisites: POLS 201 or departmental approval.

POLS 408  
DEVELOPMENT OF POLITICAL THOUGHT TO MACHIAVELLI 3.0  
Selected major political philosophies from Plato and Aristotle, up to, but not including, Machiavelli.

POLS 409  
MODERN POLITICAL THOUGHT 3.0  
Selected political philosophers from Machiavelli to the present.

POLS 410  
DIRECTED STUDY 3.0-6.0  
Juniors and seniors may elect three to six credits of independent study under the direction of a member of the Political Science staff.

POLS 412  
GOVERNMENT AND POLITICS IN THE EAST EUROPEAN STATES 3.0  
The political and governmental organizations of the Communist countries of Eastern and Central Europe (exclusive of the former U.S.S.R.); institutions, processes and problems, including inter-regional relations.  
Prerequisite: POLS 201 or departmental approval.

POLS 416  
SELECTED TOPICS IN POLITICAL SCIENCE 3.0  
This course allows the instructor to select a political problem which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in a regular course.

POLS 420  
SEMINAR AND INTERNSHIP IN POLITICAL SCIENCE 4.0  
In this course students will work as interns for one semester in the office of a N.J. State Legislator, U.S. Congressperson or Senator, or state or federal executive.

POLS 425  
POLITICS OF FEDERAL BUREAUCRACY 3.0  
In-depth examination of the federal bureaucracy in relationship with national, state and local agencies.  
Prerequisite: POLS 101 or departmental approval.
POLS 426
SEMINAR AND INTERNSHIP IN
PUBLIC ADMINISTRATION I 4.0-6.0
A one semester public administration field experience in local government.
Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 427
SEMINAR AND INTERNSHIP IN
PUBLIC ADMINISTRATION II 4.0-6.0
A one semester public administration field experience in local government.
Application must be made directly to the instructor in preceding semester.
Prerequisite: Departmental approval.

POLS 429
POLLING IN THE U.S. 3.0
The main goal of this course will be to familiarize students with various polling
methods used in political science research with the aim of giving them the
ability to evaluate and criticize such research. A variety of polling techniques
will be covered including simple descriptive statistics, tracking polls and quota
polls.

POLS 430
INTERNATIONAL LAW 3.0
The nature, place, evolution, subjects, sources, principles, role and substance
of international law in the international system of nation-states.
Prerequisite: POLS 202, or 203, or departmental approval.

POLS 435
SENIOR HONORS SEMINAR 3.0
The course will involve intensive research in a seminar setting for senior
political science majors. Students will conduct original research and present
reports to meetings of the seminar.
Prerequisites: The course will be open only to senior majors with at least a 3.4
cumulative grade point average in political science.
PSYCHOLOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Chairperson: Saundra Collins

Undergraduate courses in psychology establish a sound basis for later professional or graduate training in psychology. As part of a broad liberal education, they satisfy the needs of students, (majors and non-majors), and teach principles and techniques as intellectual tools for work in other social and biological sciences and in professional fields such as social work, journalism, business and law. Courses required for teacher certification in the State of New Jersey, as described in the Teacher Education Program, are provided.

In addition to a diverse general psychology program, the department offers a minor in Psychology and an Honors Seminar Program.

Psychology Major

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYC 101</td>
<td>General Psychology I: Growth and Development</td>
<td>3</td>
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<tr>
<td>PSYC 203</td>
<td>General Psychology II: An Experimental Approach</td>
<td>3</td>
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<tr>
<td>PSYC 220</td>
<td>Quantitative Methods in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 301</td>
<td>Experimental Psychology</td>
<td>4</td>
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</table>

Electives (Departmental)

Select 24 semester hours from the following lists:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 203</td>
<td>General Psychology II: An Experimental Approach</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 220</td>
<td>Quantitative Methods in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 301</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 265</td>
<td>Psychological Aspects of Aging</td>
<td>3</td>
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<tr>
<td>PSYC 266</td>
<td>Psychological Aspects of Aging</td>
<td>3</td>
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<tr>
<td>PSYC 290</td>
<td>Introduction to Cognitive Science</td>
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Advanced Psychology Electives:

(Select 9 credits from Group A and 9 credits from Group B)

Group A:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>PSYC 224</td>
<td>Children's Rights and Child Advocacy</td>
<td>3</td>
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<tr>
<td>PSYC 300</td>
<td>The Teaching of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 302</td>
<td>Health Psychology</td>
<td>3</td>
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<tr>
<td>PSYC 320</td>
<td>Developmental Psychology I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 332</td>
<td>Psychological Foundations of Personality</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 360</td>
<td>History and Systems of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 365</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 366</td>
<td>Health Psychology: Applications to the Community</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 402</td>
<td>Systems of Psychotherapies</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 405</td>
<td>Psychological Anthropology</td>
<td>3</td>
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<tr>
<td>PCOM385</td>
<td>Advanced Community Psychology: Externship</td>
<td>3</td>
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Group B:

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSYC 303</td>
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<td>PSYC 304</td>
<td>Social Psychology</td>
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<td>PSYC 305</td>
<td>Physiological Psychology</td>
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<tr>
<td>PSYC 308</td>
<td>Perception</td>
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<td>PSYC 310</td>
<td>Introduction to Psychological Testing</td>
<td>3</td>
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<tr>
<td>PSYC 313</td>
<td>Cognition</td>
<td>3</td>
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<tr>
<td>PSYC 314</td>
<td>Psychology of Judgment and Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 340</td>
<td>Human Learning and Memory</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 348</td>
<td>Psycholinguistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 353</td>
<td>Comparative Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 355</td>
<td>Motivation</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 358</td>
<td>Fundamentals of Conditioning and Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 496</td>
<td>Psychology Honors II</td>
<td>4</td>
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<tr>
<td>PCOM387</td>
<td>Methods in Evaluation Research</td>
<td>4</td>
</tr>
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</table>

Special Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>PCOM391</td>
<td>Cooperative Education in Psychology</td>
<td>4-9</td>
</tr>
<tr>
<td>PSYC 420</td>
<td>Packaged Computer Programs for Psychology</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 459</td>
<td>Special Topics in Psychology</td>
<td>1-3</td>
</tr>
<tr>
<td>PSYC 491</td>
<td>Independent Study I: Research</td>
<td>1-3</td>
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<tr>
<td>PSYC 492</td>
<td>Independent Study II: Research</td>
<td>1-3</td>
</tr>
<tr>
<td>PSYC 495</td>
<td>Psychology Honors I</td>
<td>4</td>
</tr>
</tbody>
</table>

Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. Departmental course requirements include 30 semester hours of social science courses. Consult with the faculty advisor for the social studies certificate for further information.

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, coursework is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Psychology Minor

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101</td>
<td>General Psychology I: Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 203</td>
<td>General Psychology II: An Experimental Approach</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Departmental—200 level or above)

Select 12 semester hours at the 200 level or above.

Justice Studies Major,

Child Advocacy Concentration

The Psychology Department, along with the departments of Sociology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Child Advocacy. The Child Advocacy concentration, unique in New Jersey and the region, emphasizes understanding child development, family systems, and psychopathology. It prepares students to work with children in an advocacy role in a variety of community settings, in child-centered agencies, and within the broader justice system. Dr. Milton Fuentes serves as advisor for the Justice Studies Child Advocacy concentration. For the complete program, see the undergraduate catalog entry for Justice Studies.

Courses of Instruction

PCOM 245

INTRODUCTION TO COMMUNITY PSYCHOLOGY 3.0
Integration of social psychology with mental health in the resolution of problems in the community. Social psychological theories and empirical strategies are used to study the dynamics of power, membership, change and deviance. Accent is also on comprehensive mental health center and roles of community psychologist. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

Prerequisite: PSYC 101.

PCOM 385

ADVANCED COMMUNITY PSYCHOLOGY: EXTERNSHIP 3.0
Supervision is provided in a variety of community action programs which have preventive as well as treatment goals. Day and hour assignments can usually be arranged, but effective study participation will require a 3 hour block of time in order to serve directly in a community setting.

Prerequisites: PCOM 245.
PCOM 387
METHODS IN EVALUATION RESEARCH 4.0
This course focuses on the application of psychological research methods and knowledge to the evaluation of the effectiveness or ineffectiveness of community programs. Emphasis will be on techniques for program planning and for constructive innovations in community settings. Field work required. Meets the University Writing Requirement for PSED, PSYC majors. Prequisites: PCOM 385.

PCOM 391
COOPERATIVE EDUCATION IN PSYCHOLOGY 4.0-9.0
The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator and the Office of Cooperative Education, and is responsible for completing the terms of a learning contract. Contact Office of Cooperative Education. Prequisite: Departmental approval.

PSYC 101
GENERAL PSYCHOLOGY I: GROWTH AND DEVELOPMENT 3.0
Psychology as an applied behavioral science: human development, conflict and adjustment, social behavior, group processes, individual differences, personality theory and assessment, behavior disorders, and principles of conditioning, learning and forgetting. Meets the 1983 General Education Requirement (GER)-Social Science, Survey Course.

PSYC 102
WOMEN’S WORLDS 3.0
This course introduces students to the interdisciplinary field known as Women’s Studies. It is designed to make students aware of recent research in feminist studies and to focus on the experiences of women of different social classes, races, ethnic backgrounds, sexual orientations, and ages. It is designed to help students understand different methodologies in such diverse disciplines as sociology, history, psychology, law, economics, and political science. Cross listed with Women’s Studies, WMST 102. Meets Gen Ed 2002-Social Science. Social Science. Meets the 1983 General Education Requirement (GER)-Contemporary Issues. Meets the Multicultural Awareness Requirement.

PSYC 103
FRESHMAN SEMINAR 3.0
The major objective is to better acclimate the beginning college student (freshman and transfer) to campus life through an emphasis on affective education and group interaction. Values clarification and self-identity are important course components. Meets the 1983 General Education Requirement (GER)-Electives, Personal/Professional Issues.

PSYC 104
FRESHMAN EXPERIENCE 1.0
This comprehensive course is designed to better accimate the beginning college student to campus life and assist in the development of academic strategies. The course will also promote an understanding of human diversity, values and perspectives as they relate to overall student success at MSU. Meets Gen Ed 2002-New Student Seminar.

PSYC 109
THE HUMAN ENVIRONMENT 3.0
An interdisciplinary course which examines the human impact, as social groups and individuals, on the natural environment. It explores the relationships and interconnectedness between natural processes and social, economic, cultural, technological, and political culture. Critical environmental issues are discussed. Cross listed with Earth and Environmental Studies, ENVR 109. Meets Gen Ed 2002-Social Science, Social Science. Meets the 1983 General Education Requirement (GER)-Contemporary Issues.

PSYC 200
EDUCATIONAL PSYCHOLOGY 3.0

PSYC 201
CHILD PSYCHOLOGY 3.0

PSYC 202
ADOLESCENT PSYCHOLOGY 3.0
Covers biological, psychological and social factors that shape the transition from childhood to adulthood: Normal and deviant patterns of development in morals, intellect, emotions and judgment; problems of adolescents with practical application to oneself and others. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Prequisite: PSYC 101.

PSYC 203
GENERAL PSYCHOLOGY II: AN EXPERIMENTAL APPROACH 3.0
Emphasis on psychology as an experimental and research oriented science. Topics under investigation include: experimental design, psychological measurement, physiology, perception, sensory processes, motivation, emotional behavior, and advanced topics in psychological learning theory. Prequisite: PSYC 101.

PSYC 220
QUANTITATIVE METHODS IN PSYCHOLOGY 4.0
This course introduces Psychology majors to the basic principles of descriptive statistics, statistical inference, hypothesis testing, and their applications to research and psychological data. Measures of central tendency, variability, correlation, the normal curve, and parametric and nonparametric tests of significance will be covered. Students become familiar with the use of packaged programs for statistical analysis on small computers for the purpose of dealing with the typical data analysis problems that arise in PSYC 301, Experimental Psychology. Prequisite: PSYC 101 or PSYC 290. Special fee.

PSYC 224
CHILDREN'S RIGHTS AND CHILD ADVOCACY 3.0
Explores the review and evaluation of the rights, privileges, and responsibilities of young citizens (preschool through adolescence); the process and goals of advocacy; the community services available to and lacking for the optimal development to maturity of young citizens. Psychology, education, sociology, mental health, law enforcement, medicine are domains of study and investigation.

PSYC 225
PSYCHOLOGY OF ADJUSTMENT 3.0
Discusses individual and social adjustment; typical varieties of addictive behavior illustrated by practical examples; factors which facilitate or impede people’s adaptation to life situations such as work, marriage, disability, etc. Meets the 1983 General Education Requirement (GER)-Social Science, Topic Course. Prequisite: PSYC 101.

PSYC 227
PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY 3.0
Topics include: Behavior and attitudes influenced by basic sexuality; widening perspectives to aid in decision-making; developmental periods and sexual relationships; connections between psychological theory and sexual mores; genetic understandings. Prequisite: PSYC 101.

PSYC 231
PSYCHOLOGY OF AGGRESSION 3.0
The root causes of violence in America will be examined through case studies, (the protest-movement of the 1960’s, sexual and physical abuse, violent-criminal activity, etc.) and familiarization with biochemical, psychological and socio-cultural research into causes and effects of aggression and violence. Meets the 1983 General Education Requirement (GER)-Contemporary Issues. Meets the Multicultural Awareness Requirement. Prequisite: PSYC 101.
PSYC 235
PSYCHOLOGY OF EXCEPTIONAL CHILDREN AND YOUTH  3.0  
Surveys, current practices and problems of exceptional children and youth.  
Explores the unique needs of individuals with handicaps that involve intellectual, sensory, motor, neurological, social and emotional origins. Utilizes analysis of case materials for theoretical and practical applications to the psychology of exceptionality.  
**Prerequisite:** PSYC 101.

PSYC 245
MENTAL HEALTH ISSUES OF HISPANIC AMERICANS  3.0  
Focuses on the personal, social, institutional and cultural forces that affect the mental health of Americans of Spanish descent. The course will cover issues such as the measurement of psychological functions, bilingualism, personal values and belief systems, the dynamics of the family and acculturation. A midterm and a final exam as well as a research paper will be required from students. Meets the Multicultural Awareness Requirement.  
**Prerequisite:** PSYC 101.

PSYC 246
PSYCHOLOGY OF THE BLACK EXPERIENCE  3.0  
**Prerequisite:** PSYC 101.

PSYC 248
PSYCHOLOGY AND LAW  3.0  
Law and psychology share a common focus: the understanding, prediction and regulation of human behavior. Despite this commonality of interest, different emphasis on these elements and a different mandate have frequently hindered active communication and collaboration between the disciplines. The purpose of this course is to present the common ground of law and psychology, and show how they contribute to each other.  
**Prerequisites:** PSYC 101.

PSYC 265
PSYCHOLOGY OF WOMEN  3.0  
The course will investigate contemporary issues in the psychology of women (an opportunity for original research will be provided). Theoretical positions and recent research in the area will be examined. Meets the 1983 General Education Requirement (GER)–Social Science, Topic Course. Meets the Multicultural Awareness Requirement.  
**Prerequisite:** PSYC 101.

PSYC 290
INTRODUCTION TO COGNITIVE SCIENCE  3.0  
An introduction to the multidisciplinary field of cognitive science. Topics include: the mind-body problem, thought as computation and the computer model of the mind, the role of representation in mental activity. Emphasis will be upon the methodological approaches found in artificial intelligence, cognitive psychology, cognitive anthropology, cognitive neuroscience, linguistics, and philosophy. Cross listed with Computer Science, CMPT 290.  
**Prerequisite:** ANTH 100 or PSYC 101 or CMPT 183 or LNGN 210 or PHIL 100.

PSYC 300
THE TEACHING OF PSYCHOLOGY  3.0  
Students in this course work with a teacher of a large section of a Psychology course. The work includes record keeping, working on exams and term papers, working with students and teaching. Class discussions include techniques of teaching, motivating students, developing curriculum and ethical issues.  
**Prerequisites:** PSYC 301; Psychology majors only and departmental approval.

PSYC 301
EXPERIMENTAL PSYCHOLOGY  4.0  
Introduction to laboratory methods of research in areas such as motivation, perception and learning. Emphasis is on design and execution of exploratory investigations. Meets the University Writing Requirement for PSED, PSYC majors. (3 hours lecture, 3 hours laboratory)  
**Prerequisites:** PSYC 220 and PSYC 203 or PSYC 290. Special fee.

PSYC 302
HEALTH PSYCHOLOGY  3.0  
The theoretical, empirical and clinical aspects of health psychology will be presented. The relation of health psychology with other areas of psychology and other scientific disciplines will be discussed. The historical developments of the field, its research methodologies, theoretical models and exemplary interventions will be described.  
**Prerequisite:** PSYC 301.

PSYC 303
INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY  3.0  
Application of psychological principles and practices in business and industry. Problems of communication, group dynamics, man-machine relations, employee attitudes, accident prevention, industrial job selection techniques, motivation, executive leadership. Commonly used selection tests will be evaluated.  
**Prerequisite:** PSYC 301.

PSYC 304
SOCIAL PSYCHOLOGY  3.0  
Focuses on social behavior of the individual and the group, social perception, motivation, and learning; attitudes and values; development and dynamics of social groups; inter-group tension and prejudice; mass phenomena; psychological approaches to social issues.  
**Prerequisite:** PSYC 301.

PSYC 305
PHYSIOLOGICAL PSYCHOLOGY  3.0  
Anatomical, neural and biochemical bases of behavior are studied. Topics include localization of function, neuro-hormonal interaction, sensory and motor functioning, emotions, the relationship of neurophysiological processes and personality.  
**Prerequisite:** PSYC 301.

PSYC 308
PERCEPTION  3.0  
Discusses the theory and procedure of perceptual research. Theoretical approaches; modern psychophysical and perceptual research; traditional problems of perception constancies of size and color brightness.  
**Prerequisite:** PSYC 301.

PSYC 310
INTRODUCTION TO PSYCHOLOGICAL TESTING  3.0  
Tests of intelligence, aptitude, achievement and personality; principles of psychological testing; approaches to test construction.  
**Prerequisite:** PSYC 301.

PSYC 313
COGNITION  3.0  
The study of the acquisition, storage, retrieval, and use of knowledge, utilizing behavioral, observational, and computer modeling methods.  
**Prerequisite:** PSYC 301.

PSYC 314
PSYCHOLOGY OF JUDGMENT AND DECISION MAKING  3.0  
This course examines how human beings make decisions and judgments. It reviews how personal values, uncertainty and cognitive, social, and neurological processes affect decision making. This course draws upon a wide range of examples from many fields including psychology, economics, criminology, and medicine. Students will also learn strategies and techniques to enhance judgment.  
**Prerequisite:** PSYC 301.

PSYC 320
DEVELOPMENTAL PSYCHOLOGY I  3.0  
This course surveys human psychological development from the prenatal period to adolescence. The interacting forces of heredity, environment and physical, cognitive, emotional and socio-cultural factors are reviewed in the light of current research and theory in these areas.  
**Prerequisite:** PSYC 301.

PSYC 330
FORENSIC PSYCHOLOGY  3.0  
An examination of the interaction between psychology and the legal system. Emphasis placed on the assessment and diagnosis of psychopathic behavior, court-mandated evaluations and the role of the psychologist as expert witness. The application of psychological knowledge within the criminal justice context. Ethical guidelines in forensic psychology.
PSYC 332
PSYCHOLOGICAL FOUNDATIONS OF PERSONALITY 3.0
Explores current approaches and theories of personality development and organization.
Prerequisite: PSYC 301.

PSYC 340
HUMAN LEARNING AND MEMORY 3.0
Covers research, language and methods of learning theory. Classical operant conditioning, complex habits, remembering and forgetting, transfer of training, cognition and behavior modification. Review of animal research but primary emphasis is on people.
Prerequisite: PSYC 301.

PSYC 353
COMPARATIVE ANIMAL BEHAVIOR 3.0
The student will explore experimental and field studies of behavior in a few selected animal species with particular reference to the behavior of vertebrates. The course will involve detailed study of instinctive behavior and imprinting, respondent and operant behavior with emphasis upon the procedures and variables concerned with the acquisition of new forms of behavior.
Prerequisite: PSYC 301.

PSYC 358
FUNDAMENTALS OF CONDITIONING AND LEARNING 3.0
Major theoretical problems and theories of learning are considered. Includes experimental analysis of basic phenomena of conditioning and learning, studied primarily through experimental studies of infra-human organisms. Students may study selected topics more extensively.
Prerequisite: PSYC 301.

PSYC 360
HISTORY AND SYSTEMS OF PSYCHOLOGY 3.0
Discusses the historical development of psychology; comparative analysis of the major schools of contemporary psychology and new trends and movements in psychological theory.
Prerequisite: PSYC 301.

PSYC 365
ABNORMAL PSYCHOLOGY 3.0
Topics include an overview of psychopathological processes; neuroses, psychoses, and characterological disorders; feeling, thinking and behavioral aspects during the life span; diagnostic and treatment procedures.
Prerequisites: PSYC 225 or 332 and 301.

PSYC 366
HEALTH PSYCHOLOGY: APPLICATIONS TO THE COMMUNITY 3.0
The course will present psychological contributions to interventions designed to promote health, prevent illness and avert further disability. Appropriate techniques to assess, plan, and implement programs at the community level will be discussed. The multidisciplinary, multilevel nature of community programs will be emphasized.
Prerequisite: PSYC 302.

PSYC 402
SYSTEMS OF PSYCHOTHERAPY 3.0
An overview of classical and contemporary systems of psychotherapy. Emphasis is placed on understanding each system in terms of its underlying theory of personality, psychopathology and therapeutic impact. Studies of therapeutic efficacy are also covered. Other issues include such topics as the training of psychotherapists and the ethical issues involved in psychotherapy.
Prerequisite: PSYC 365.

PSYC 420
PACKAGED COMPUTER PROGRAMS FOR PSYCHOLOGY 1.0
A detailed review on the use of a computer package for the purpose of doing statistical analyses of psychological data. The instructor will select one such package for presentation and choose among SSPS, EcStatic, BMD, SAS, and others. Instruction will be provided on coding, data entry, menu selection, score transformation, and exporting.
Prerequisite: Departmental approval.

PSYC 430
CONTEMPORARY ISSUES IN CHILD ADVOCACY 3.0
An in-depth study of current topics in the field of child advocacy. The impact of Megan's Law, advocacy for adopted children, child right-to-life movement, and repressed memory syndrome are among the possible issues to be explored. A multi-disciplinary focus will be used to enhance student understanding and learning.

PSYC 459
SPECIAL TOPICS IN PSYCHOLOGY 3.0
An in-depth view of important theoretical and methodological issues in a specific area of psychology. The area to be covered is chosen by the instructor. The course permits the instructor and students to examine psychological issues which are either not covered in the curriculum or which deserve more in-depth treatment than is possible in a regular course. The course may be taken no more than twice as part of major degree requirements in psychology.
Prerequisite: PSYC 301.

PSYC 490
SEMINAR IN COGNITIVE SCIENCE 3.0
Seminar discussion of foundation works and contemporary research articles in Cognitive Science. With the instructor's guidance and supervision, each student will define an area of Cognitive Science for comprehensive in-depth review of research and write a literature review. Professional issues in Cognitive Science are discussed.
Prerequisites: PSYC/CMPT 290, PSYC 301, and any one of the following: PSYC 313, LNGN 300, LNGN 420, LNGN 445.

PSYC 491
INDEPENDENT STUDY I: RESEARCH 1.0-3.0
Individual research project under supervision of a professor in the department.
Prerequisite: Departmental approval.

PSYC 492
INDEPENDENT STUDY II: RESEARCH 1.0-3.0
Individual research project under supervision of a professor in the department.
Prerequisite: Departmental approval.

PSYC 495
PSYCHOLOGY HONORS I 4.0
With the instructor's guidance and supervision, each student will define an area of psychology for a comprehensive, in-depth review of research; generate research questions and hypotheses; delineate appropriate design, methodology and statistical analyses to answer these questions and test these hypotheses; collect and analyze preliminary data; and write an Honors Thesis Proposal.
Prerequisite: PSYC 301; departmental approval; overall GPA of 3.5.

PSYC 496
PSYCHOLOGY HONORS II 4.0
This course constitutes the second semester of Psychology Honors. Students are expected to gather, analyze and interpret the data for their honors project, write the analysis and discussion chapters, and submit their completed honors thesis. Students who successfully complete this course will graduate with honors in Psychology.
Prerequisite: Completion of PSYC 495 with a grade of A or A-.
### SCIENCE INFORMATICS

#### COLLEGE OF SCIENCE AND MATHEMATICS

*Program Director: Chunguang Du, Biology and Molecular Biology Department*

This interdisciplinary degree is supported by the departments of Biology and Molecular Biology, Chemistry and Biochemistry, Computer Science, Earth and Environmental Studies, and Mathematical Sciences. Students are especially prepared to work in New Jersey's high tech pharmaceutical, biotechnology, and other data intensive industries and to engage in graduate studies in the underpinning disciplines. The degree is unique in requiring both Science Informatics interdisciplinary courses and courses in science, computer science, and mathematics within the liberal arts tradition. Course descriptions for the science, computer science and mathematics courses are found under the respective departments.

### Science Informatics Major

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>SCIF 151</td>
<td>Colloquium in Science Informatics I</td>
<td>1</td>
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<tr>
<td>SCIF 152</td>
<td>Colloquium in Science Informatics II</td>
<td>1</td>
</tr>
<tr>
<td>SCIF 253</td>
<td>Colloquium in Science Informatics III</td>
<td>1</td>
</tr>
<tr>
<td>SCIF 254</td>
<td>Colloquium in Science Informatics IV</td>
<td>1</td>
</tr>
<tr>
<td>SCIF 250</td>
<td>Science Informatics Sophomore Summer Internship</td>
<td>2</td>
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<tr>
<td>SCIF 350</td>
<td>Science Informatics Junior Summer Internship</td>
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<tr>
<td>SCIF 475</td>
<td>Ethics in Science Informatics</td>
<td>2</td>
</tr>
<tr>
<td>SCIF 491</td>
<td>Research Experience in Science Informatics I</td>
<td>3</td>
</tr>
<tr>
<td>SCIF 492</td>
<td>Research Experience in Science Informatics II</td>
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#### Required Biology and Molecular Biology Courses

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<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 230</td>
<td>Cell and Molecular Biology</td>
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<tr>
<td>BIOL 380</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 434</td>
<td>Introduction to Molecular Biology</td>
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#### Required Chemistry and Biochemistry Courses

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<tr>
<th>Course Code</th>
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<tr>
<td>CHEM 120</td>
<td>General Chemistry I</td>
<td>4</td>
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<tr>
<td>CHEM 121</td>
<td>General Chemistry II</td>
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<tr>
<td>CHEM 230</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHEM 231</td>
<td>Organic Chemistry II</td>
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</tr>
<tr>
<td>CHEM 470</td>
<td>Biochemistry I</td>
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</table>

#### Required Computer Science Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 184</td>
<td>Foundations of Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 250</td>
<td>Web Tools: Perl, XML and Java Script</td>
<td>2</td>
</tr>
<tr>
<td>CMPT 287</td>
<td>Data Structures, File Structures, and Algorithms</td>
<td>4</td>
</tr>
<tr>
<td>CMPT 300</td>
<td>Introduction to Science Databases</td>
<td>1</td>
</tr>
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</table>

#### Required Mathematical Sciences Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
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<tr>
<td>MATH 122</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CMPT 285</td>
<td>Discrete Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>STAT 440</td>
<td>Fundamentals of Modern Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Required Science Informatics Concentration

All Science Informatics students must take the above required courses in science informatics, science, computer science, and mathematics. These courses provide a broad knowledge base in the supporting disciplines. For depth of knowledge students must choose one of the following three concentrations.

### Biochemistry Concentration

The concentration examines the molecules of life emphasizing the relation between chemical structure and reactivity to the biological function of the molecule. Application of computer science to the study of the molecular basis of life through classroom and laboratory experiences provides state-of-the-art theoretical and practical aspects of these dynamic and fast-moving fields. Students study molecular structures and the effects of changes in molecular geometries through hands on use of software such as Autodock, Spartan and Gaussian programs that support computational chemistry and molecular modeling. Courses descriptions are found under the Chemistry and Biochemistry and Computer Science Departments.

### Required Biochemistry Concentration Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 232</td>
<td>Experimental Organic Chemistry I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 450</td>
<td>Computational Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 471</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 472</td>
<td>Experimental Biochemistry I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 473</td>
<td>Instrumental Biochemistry Lab</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 371</td>
<td>Software Engineering I: Analysis and Design</td>
<td>4</td>
</tr>
</tbody>
</table>

### Computer Science Concentration

As science and computer science interact to create useful data-driven systems based on data storage, analysis, and retrieval, students in this concentration study the hardware and software supporting this new fusion. Students learn software engineering techniques in specifying and analyzing a problem, and in designing, implementing, and testing a solution. Database topics introduce data mining to locate interesting relations within massive information. Students work with a cluster of connected computers to solve problems. Course descriptions are found under the Computer Science Department.

### Required Computer Science Concentration Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 280</td>
<td>Assembly Language and Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 350</td>
<td>Parallel and Distributed Computing</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 371</td>
<td>Software Engineering I: Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>CMPT 372</td>
<td>Software Engineering II: Implementation and Testing</td>
<td>4</td>
</tr>
<tr>
<td>CMPT 483</td>
<td>Database Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

### Molecular Biology Concentration

Students in this concentration expand their background in basic biology and molecular biology, and study genomics (all the DNA sequences of an organism, their structure, and relationships) and proteomics (proteins of an organism and their sequential relationships). Students work with web-based software for molecular analysis and local systems such as the GCG Bioanalysis Suite. The concentration focuses on molecular biology informatics techniques, their applications, and their implications for solving problems. Course descriptions are found under the Biology and Molecular Biology Department.

### Required Molecular Biology Concentration Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 112</td>
<td>Principles of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 350</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 435</td>
<td>Experimental Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL</td>
<td>Molecular Biology Elective</td>
<td>3</td>
</tr>
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</table>

### Courses of Instruction

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIF 151</td>
<td>COLLOQUIUM IN SCIENCE INFORMATICS I</td>
<td>1.0</td>
</tr>
<tr>
<td>SCIF 152</td>
<td>COLLOQUIUM IN SCIENCE INFORMATICS II</td>
<td>1.0</td>
</tr>
</tbody>
</table>

This course introduces Science Informatics majors to the University, the departments of the College of Science and Mathematics, the culture of higher education and the field of science informatics. Students learn about campus resources and activities, careers in science informatics and techniques that foster the development of good study skills and academic success. Issues related to health, wellness, diversity and prejudice are investigated. Meets Gen Ed 2002–New Student Seminar

*Prerequisite: Science Informatics majors only.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIF 151</td>
<td>COLLOQUIUM IN SCIENCE INFORMATICS I</td>
<td>1.0</td>
</tr>
</tbody>
</table>

This second of a series of four colloquia continues to build a science informatics identity among students while exploring the field of science informatics, options for post-baccalaureate study and careers in the discipline. Students will explore both scientific and societal issues related to contemporary problems such as genetic engineering. Students will explore potential topics for future investigation and research.

*Prerequisite: Science Informatics majors only and SCIF 151.*
Science Informatics Capstone Courses

Research Experience in Science Informatics I and II provide a capstone experience for science informatics majors. Students work collaboratively in research teams to develop and provide answers to research questions. Each team will consist of students from all of the participating concentrations so that various disciplinary perspectives will be included in the problem solving experience. This team experience corresponds to the type of interaction present in academic and industrial environments.

SCIF 491
RESEARCH EXPERIENCE IN SCIENCE INFORMATICS I 3.0
Based on problems proposed by Montclair State faculty, industry representatives, or other academic institutions, students working in interdisciplinary teams will develop a research proposal. During the semester the groups will do background research, explore interdisciplinary approaches to addressing the problem and develop a project proposal. The proposal will be peer reviewed by other teams before being presented to a faculty committee for approval.
Prerequisite: BIOL 434, CHEM 470, CMPT 300.
Corequisite: SCIF 350.

SCIF 492
RESEARCH EXPERIENCE IN SCIENCE INFORMATICS II 3.0
This course is a continuation of Research Experience in Science Informatics I. Research proposed in that course will be implemented in this course. Students will apply algorithms, write and use software for modeling biological, chemical or physical processes, perform necessary experiments, and analyze the results. Findings will be presented to other students teams and to a faculty committee. The research project will allow students to focus on a specific scientific question using interdisciplinary approaches, develop critical thinking and problem solving skills and strengthen their writing and presentation skills.
Prerequisite: SCIF 491.

SCIF 250
SCIENCE INFORMATICS SOPHOMORE SUMMER INTERNSHIP 2.0
During the summer, under the guidance of a sponsor in a medical or industrial site outside of the University, students will investigate advanced, individual research problems appropriate to science informatics. Although students are strongly encouraged to enroll in an off-campus externship, an equivalent on-campus experience with the Biology and Molecular Biology, Chemistry and Biochemistry, Computer Science or Mathematical Sciences departments will be accepted for credit.
Prerequisite: Permission of program advisor. Only for Science Informatics majors who have completed their sophomore year.

SCIF 253
COLLOQUIUM IN SCIENCE INFORMATICS III 1.0
In this third of a series of four colloquia, students continue their guided examination of contemporary issues investigated with the varied methodologies and tools of science informatics. Information about how disciplines within science informatics prepare research results and associated recommendations for their colleagues, government agencies and the public. The influence of public opinion and the political decision making process upon scientific research is explored. Students explore possible research problems for investigation.
Prerequisite: SCIF 152.

SCIF 254
COLLOQUIUM IN SCIENCE INFORMATICS IV 1.0
The fourth of a series of four colloquia is a continuation of the third colloquium, SCIF 253, in which students continue their guided examination of contemporary issues investigated with the varied methodologies and tools of science informatics. Information about how disciplines within science informatics prepare research results and associated recommendations for their colleagues, government agencies and the public. The influence of public opinion and the political decision making process under scientific research is explored. Students explore possible research problems for investigation.
Prerequisite: SCIF 253.

SCIF 350
SCIENCE INFORMATICS JUNIOR SUMMER EXTERNSHIP 2.0
During the summer, under the guidance of a sponsor in a medical or industrial site outside of the University, students will investigate advanced, individual research problems appropriate to science informatics. Although students are strongly encouraged to enroll in an off-campus externship, an equivalent on-campus experience with the Biology and Molecular Biology, Chemistry and Biochemistry, Computer Science or Mathematical Sciences departments will be accepted for credit.
Prerequisite: Permission of program advisor. Only for Science Informatics majors who have completed their junior year.

SCIF 475
ETHICS IN SCIENCE INFORMATICS 2.0
This course investigates ethical issues in science informatics research and the application of science informatics to product development and commercialization. For example, topics of accuracy, privacy, confidentiality, accessibility, stability, and completeness are considered in the context of genome databases and their associated computing technology. Science informatics law domains such as intellectual property (patents, trademarks, trade secrets), and licensing (patents, intellectual property or software) are presented. A seminar format and case studies facilitate interaction among faculty, students, and the issues.
Prerequisite: Only for Science Informatics majors who have completed their junior year.
SOCILOGY

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES
Chairperson: Jay Livingston

Sociology looks at aspects of societies that transcend the individual - social phenomena such as culture and social structure. It also explores the relationships among the individuals and groups that make up the social world. Areas of concern include: the causes and effects of the distribution of wealth and power in a society; the impact of social categories such as gender, race, and age; the nature of social institutions such as religion, the family, and education; the ways that individuals organize and influence their everyday lives. Sociology enables the student to understand broader social and historical forces and their relation to the lives of individuals.

The Sociology major provides a background for those who seek careers in social research, law enforcement, human resources, social work, teaching, journalism, and other fields.

The minor in Criminal Justice, described in this catalog under Interdisciplinary Minors, focuses on various types of crime and social institutions that aim to control crime.

The Sociology Department offers a Bachelor of Arts degree.

Sociology Major

Required Courses

18 Semester Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 201</td>
<td>Foundations of Sociological Inquiry</td>
<td>4</td>
</tr>
<tr>
<td>SOCI 240</td>
<td>Statistics for Social Research</td>
<td>4</td>
</tr>
<tr>
<td>SOCI 301</td>
<td>Sociological Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 313</td>
<td>Sociological Theory: Critical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 400</td>
<td>Senior Research Project</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: It is important to try to meet the methods requirement no later than the junior year.

Electives (Departmental)

Select 21 semester hours from the following:

(9 semester hours must be selected from 300 or 400 level courses with appropriate approval.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 100</td>
<td>The Sociological Perspective</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 101</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 112</td>
<td>Sociology of Leisure</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 113</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 200</td>
<td>Sociology of Education</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 202</td>
<td>Racial and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 203</td>
<td>Sociology of Organized Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 204</td>
<td>Sociology of the Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 205</td>
<td>Black Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 206</td>
<td>Individual and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 207</td>
<td>Social Structure of American Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 209</td>
<td>Sociology of Poverty and Welfare</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 211</td>
<td>Sociology of Health and Illness</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 212</td>
<td>Sociology of Technology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 215</td>
<td>Sociology of Sports</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 218</td>
<td>Sociology of Population</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 219</td>
<td>Sociology of Aging</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 220</td>
<td>Sociology of Rich and Poor Nations</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Sociology of Conflict and Violence</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 231</td>
<td>Social Bases of the Arts</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 232</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 302</td>
<td>Sociological Research Methods II</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 303</td>
<td>Large Scale Organizations</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 314</td>
<td>Sociology of Work and Professions</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 310</td>
<td>Directed Independent Research</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 311</td>
<td>Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 312</td>
<td>Environmental Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 314</td>
<td>Environmental Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 315</td>
<td>Social Stratifications</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 321</td>
<td>White Collar Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 322</td>
<td>Juvenile Delinquency and Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 325</td>
<td>Sociology of Police</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 330</td>
<td>Political Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

SOCI 332 | Sociology of Popular Arts | 3 |
| SOCI 334 | Comparative Social Analysis | 3 |
| SOCI 336 | Sociology of Helping Professions and Institutions | 3 |
| SOCI 351 | Juries and Justice | 3 |
| SOCI 353 | Sociology of Corrections | 3 |
| SOCI 390 | Cooperative Education in Sociology | 3 |
| SOCI 401 | Sociology of Emotions | 3 |
| SOCI 404 | Sociology of Religion | 3 |
| SOCI 405 | Deviance and Social Control | 3 |
| SOCI 406 | Sociology of Mass Media | 3 |
| SOCI 408 | Social Movements | 3 |
| SOCI 411 | Selected Topics in Sociological Theory | 3 |
| SOCI 412 | Selected Topics in Social Research Methods | 3 |
| SOCI 413 | Selected Topics in Institutional Processes | 3 |
| SOCI 414 | Selected Topics in Applied Sociology | 3 |
| SOCI 416 | Qualitative Research in Sociology | 3 |
| SOCI 420 | Sociology of Law | 3 |
| SOCI 426 | Sociology of Sexuality | 3 |
| SOCI 430 | Sociology of Gender | 3 |

Teacher Certification

(Social Studies)

Students pursuing teacher certification must be admitted to the Teacher Education program and follow the professional sequence outlined in this catalog. The course SOSC 401 Methods of Teaching Social Studies is the departmental requirement.

The social studies teacher is expected to have a broad understanding of the cultural and environmental factors which shape the individual and society. To meet the approved program for certification in social studies, course work is required in each of the following: anthropology, economics, geography, history, political science and sociology. A detailed description of the requirements is available in the office of the faculty program counselor in the College of Humanities and Social Sciences.

Sociology Minor

Required Courses

18 Semester Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 100</td>
<td>The Sociological Perspective</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Departmental)

Select up to 9 semester hours of 100-200 level Sociology

Select at least 6 semester hours of 300-400 level Sociology courses

Justice Studies Major, Justice Systems Concentration

The Sociology Department, along with the departments of Psychology and Legal Studies, participates in the multidisciplinary Justice Studies major. This major includes a concentration in Justice systems. The Justice systems concentrations focuses on the relationships among law, the justice system, and society, with special attention to theories of crime, juvenile delinquency, policing, and corrections. It prepares students to work in criminal justice, social services, and related settings. It includes optional areas of emphasis in the Criminal Justice Systems, Juvenile Justice, and Empirical Perspectives in Justice Systems. The Criminal Justice system optional areas of emphasis meets and exceeds the minimum standards for Criminal Justice Education set by the Northeastern Association of Criminal Justice Sciences. Within the Justice Studies major, a student may take more than one concentration. A maximum of 6 semester hours of overlap is permitted between concentrations. This is an exception to the general policy of unlimited overlap between programs. Students in the Justice Systems concentration may take any minor except Criminal Justice. Dr. David J. Dodd serves as advisor for the Justice Systems concentration. For the complete program see the undergraduate catalog entry for Justice Studies.
Courses of Instruction

SOCI 100
THE SOCIOLOGICAL PERSPECTIVE 3.0
An introduction to the study of human groups, from peer groups to families to societies. How and why culture, social structure, and group processes arise. Consequences of social forces for individuals. Meets the 1983 General Education Requirement (GER)--Social Science, Survey Course.

SOCI 101
CRIMINOLOGY 3.0
Definitions of crime; sociological explanation of crime; the nature and extent of criminal behavior. Analysis of different types of crime, including juvenile delinquency, corporate crime, crimes against women, and crimes by police. Institutions of social control: police, courts, prisons. Meets the 1983 General Education Requirement (GER)--Social Science, Topic Course.

SOCI 113
SOCIAL PROBLEMS 3.0
How social structure and social institutions are related to problems such as discrimination, environmental pollution, violence, and poverty. Meets Gen Ed 2002--Social Science, Social Science. Meets the 1983 General Education Requirement (GER)--Contemporary Issues.

SOCI 120
FRESHMAN LEADERSHIP SEMINAR 3.0
Explores the theory and practice of leadership on campus and in the community. Examines the relationship between the individual and the group, and issues such as civic participation and bureaucracy. Prerequisite: For students enrolled in the Presidential Leadership Program (PLP) only.

SOCI 201
FOUNDATIONS OF SOCIOLOGICAL INQUIRY 4.0
An introduction to the methods and theory of sociological inquiry. Topics include: comparisons of dominant paradigms of sociological thought, critical analysis of basic concepts in the field, logic and rhetoric of sociological analysis and ethical and value issues in the practice of sociology. Emphasis will also be placed upon writing sociology: documentation, literature search, organization, and style. Meets the University Writing Requirement for SOCI, SOED majors. Prerequisite: ENWR 105.

SOCI 202
RACIAL AND ETHNIC RELATIONS 3.0
The social meaning of race and ethnicity. The social, psychological, and structural sources of racism; the consequences of this phenomenon to groups; situation and comparative data. Meets the 1983 General Education Requirement (GER)--Contemporary Issues. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

SOCI 203
SOCIOLOGY OF ORGANIZED CRIME 3.0
Organized crime as a sociological phenomenon. The methods and goals of large-scale crime and its economic, political, and social costs; popular attitudes towards organized crime; efforts of enforcement and investigation agencies to deal with the problem.

SOCI 204
SOCIOLOGY OF THE FAMILY 3.0
Discussion of “official” and “unofficial” (single parent, gay/lesbian) family relationships; compare current U.S. family forms with those of other historical periods and societies; examine trends in contemporary societies affecting family forms such as changing work role of women, changed sexual norms in courtship, and recent changes in divorce rate; analyze issues in the “politics of the family.” Meets the 1983 General Education Requirement (GER)--Social Science, Topic Course.

SOCI 205
BLACK FAMILY 3.0
The black family in American society; historical perspectives and contemporary conflicts surrounding the black family. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.

SOCI 206
INDIVIDUAL AND SOCIETY 3.0
The relationship between culture, social structure, various institutions and the individual’s social perceptions, sense of self and self-presentation are explored in this course. The structure of small groups is also discussed. Meets Gen Ed 2002--Social Science, Social Science. Meets the 1983 General Education Requirement (GER)--Electives, Personal/Professional Issues.

SOCI 207
SOCIAL STRUCTURE OF AMERICAN SOCIETY 3.0
Empirical materials on social structure. Inter-institutional relations as the form of the broad, general structure of American society. Meets the 1983 General Education Requirement (GER)--Social Science, Topic Course.

SOCI 209
SOCIOLOGY OF POVERTY AND WELFARE 3.0
Poverty and welfare institutions as social phenomena. The meaning of poverty, absolute and relative deprivation, the functions of social welfare institutions. Meets the 1983 General Education Requirement (GER)--Contemporary Issues.

SOCI 211
SOCIOLOGY OF HEALTH AND ILLNESS 3.0
Social and cultural definitions of health and illness, social sources of illness, the social role of the “sick,” comparative medical beliefs and practices and medical institutions. Meets the 1983 General Education Requirement (GER)--Contemporary Issues.

SOCI 215
SOCIOLOGY OF SPORTS 3.0
This course will examine the major theoretical and substantive writings on the sociology of amateur and professional sports. Topics to be explored from conflict, functionalist, and symbolic interactionist perspectives include socialization and athletic identity, women in sports, race and class in sports, gender relations and sport participation, sport risk and injury, education and sports participation, sports in the media, sport and the reproduction of society, and fieldwork among college and professional athletes.

SOCI 219
SOCIOLOGY OF AGING 3.0
With a shift in America's population toward an older society, it becomes important to understand the aging process and its implications for various social institutions. This course examines demographic characteristics which influence the aging process; various theories to explain the process; and specific policies, nationally and locally, to address it.

SOCI 220
SOCIOLOGY OF RICH AND POOR NATIONS 3.0
This course deals with the disparity in standards of living among the nations of the world today, as well as with the strategies social scientists and social planners have formulated to eradicate poverty where it occurs. This course focuses on the historical, political, economic, cultural, and sociological relationships that have contributed to the current division of labor in the world, and world inequalities. Furthermore, it focuses on specific social problems faced by poor nations, while comparing social institutions in with their counterpart in non-Western societies. Meets Gen Ed 2002--Social Science, Non-Western Cultural Perspectives. Meets the 1983 General Education Requirement (GER)--Social Science, Non-Western Cultural Perspectives.

SOCI 230
SOCIOLOGY OF CONFLICT AND VIOLENCE 3.0
Types of conflict and violence including war, crime, family and sexual violence, class and ethnic violence, and genocide; biological determinist and cultural explanations of violence; theories of nonviolent social change. Meets Gen Ed 2002--Social Science, Social Science. Meets the 1983 General Education Requirement (GER)--Contemporary Issues.
SOCI 232
INTRODUCTION TO CRIMINAL JUSTICE 3.0
Do the three main sectors of the criminal justice system—the police, the courts, and corrections—have an impact on crime, achieve justice, and constitute a system? This course will look at the historical development of each of these sectors, their relation to broader social forces, and their internal problems and dilemmas. Topics may include current controversies (police brutality; the death penalty and other sentencing trends; community policing; plea bargaining; parole) as well as the impact of broader issues like race, gender, and social class.

SOCI 238
RESEARCH METHODS IN CRIMINAL JUSTICE 3.0
An introduction to methods of social research and their particular application to the study of criminal justice. Defining research questions and designing ways of getting systematic evidence relevant for those questions. Understanding the nature of aggregate data, probability, and social science generalization. Creating variables — conceptualization, definition, and measurement. Basic statistical measures, descriptive and inferential. Quantitative and qualitative data. A critical look at existing sources of criminal justice data. Problems of access, quality of data, and interpretation. Ethical issues.

SOCI 240
STATISTICS FOR SOCIAL RESEARCH 4.0
The use of statistics to summarize data, and to show relationships among variables. Evaluating research reports based on statistics. Use of the computer to analyze data. Cross listed with Justice Studies, JUST 240.
Prerequisite: Special fee.

SOCI 301
SOCIOLOGICAL RESEARCH METHODS I 4.0
Introduction to primary methods of gathering sociological data: experimentation, survey research, participant observation, etc. Use of computers to analyze data. The formulation of hypotheses, survey design, participant observation and the use of elementary statistics.
Prerequisites: SOCI 201 and SOCI 240. Special fee.

SOCI 302
SOCIOLOGICAL RESEARCH METHODS II 3.0
The formulation of hypotheses, survey design, participant observation and the use of elementary statistics; certain broad problems in the philosophy of social science.
Prerequisite: SOCI 301. Special fee.

SOCI 303
LARGE SCALE ORGANIZATIONS 3.0
The structure and functions of bureaucracy in modern society; the life cycle of large organizations and their methods of operation; selected contemporary problems.
Prerequisite: One course in sociology or departmental approval.

SOCI 304
SOCIOLOGY OF WORK AND PROFESSIONS 3.0
The development of modern forms of work: the shift from manufacturing to service occupations; and problems of work alienation; current models of labor-management relations in the U.S. compared to Western Europe and Japan; the effects of new technology on skill, employment levels, and on labor-management relations; conceptions of the professions and their role in society; the process of an occupation becoming a profession.
Prerequisite: One course in sociology or departmental approval.

SOCI 310
DIRECTED INDEPENDENT RESEARCH 3.0-9.0
Research and report under faculty direction. The student selects for investigation an area of sociological concern with the approval of a faculty supervisor. Multiple semester selection permitted with approval.
Prerequisite: Departmental approval.

SOCI 311
URBAN SOCIOLOGY 3.0
Processes of urbanization and suburbanization; nature of urban social relations, including racial and ethnic relations; urban ecological patterns and demographic conditions. Meets the Multicultural Awareness Requirement. Meets the Human and Intercultural Relations Requirement.
Prerequisite: One course in sociology or departmental approval.
SOCI 336
THE SOCIOLOGY OF HELPING PROFESSIONS AND INSTITUTIONS 3.0
This course focuses on the social functions, determinants, and consequences of helping professions such as social work, and helping institutions such as public welfare. Particular emphasis is placed on the relations of helping professions and institutions with their socio-political environment and with their clients. 
Prerequisite: One course in sociology or departmental approval.

SOCI 351
JURIES AND JUSTICE 3.0
An examination of the roots of the American jury system and the role of trials in the social construction of morality. Consideration of issues related to jury pools, selection, and representativeness. Examination of data from research on group processes within actual and mock juries, including communication and decision making in juries and juror bias. Students will also conduct field studies in local courts.

SOCI 353
SOCIOLOGY OF CORRECTIONS 3.0
Traces the historical development of corrections in the United States and examines present trends. Explores the socio-political nature of various correctional policies, with special emphasis on current trends and controversies. Analyzes prison life from the perspectives of administrators, correction officers, and inmates.

SOCI 390
COOPERATIVE EDUCATION IN SOCIOLOGY 3.0-4.0
The cooperative education option integrates academic study with a supervised employment experience outside the formal classroom environment. The co-op term is a semester off-campus, during which a student is supervised by a faculty coordinator, and the office of Cooperative Education and is responsible for completing the terms of a learning contract. 
Prerequisite: Departmental approval.

SOCI 400
SENIOR RESEARCH PROJECT 3.0-9.0
Each student will select one sociological research topic or setting to explore utilizing qualitative and/or quantitative methods. Students will conduct their own empirical research under faculty supervision. Since different faculty members emphasize different research methods, students are urged to review individual syllabi prior to registering for the course. 
Prerequisites: SOCI 301 and senior standing and departmental approval. 
Prerequisite or Corequisite: SOCI 313 must be taken before or during the Senior Research Project.

SOCI 401
SOCIOLOGY OF EMOTIONS 3.0
Humans have a unique capacity to experience a large variety of emotions. This course examines how cultures label, shape, and guide their members' emotional experience. It also explores the interplay between social-structural arrangements (e.g., family and economic systems) and emotion, illustrating links between macro-social patterns. Students will conduct original research on social factors related to emotionality. 
Prerequisites: SOCI 301 or equivalent.

SOCI 404
SOCIOLOGY OF RELIGION 3.0
The social bases of religious belief and activity; religious movements, denominationalism, sectarianism, secularization, pluralism, the social bases of belief and unbelief, and cross-cultural and historical comparisons. 
Prerequisite: One course in sociology or departmental approval.

SOCI 405
DEVIANCY AND SOCIAL CONTROL 3.0
Theoretical perspectives on human deviance. The social organization of specific types of deviance and of formal and informal social control. 
Prerequisite: One course in sociology or departmental approval

SOCI 407
SOCIOLOGY OF THE MASS MEDIA 3.0
Television, press, film, and other media--their social organization and how they function. Who the media influences--and how. Who influences the media--and how. 
Prerequisite: One course in sociology or departmental approval.

SOCI 408
SOCIAL MOVEMENTS 3.0
This course focuses on the study of concerted collective behavior for social change, or social movements. Various approaches to the understanding of social movements, including the natural history, case study, and analytical models, will be examined. Emphasis will be placed on relating theoretical work to contemporary empirical examples of social movement activity.
Prerequisite: One course in sociology or departmental approval.

SOCI 411
SELECTED TOPICS IN SOCIOLOGICAL THEORY 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to only the general area of sociological theory.
Prerequisite: One course in sociology or departmental approval.

SOCI 412
SELECTED TOPICS IN SOCIOLOGICAL RESEARCH METHODS 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to projects or study in research methodology. 
Prerequisite: One course in sociology or departmental approval.

SOCI 413
SELECTED TOPICS IN INSTITUTIONAL PROCESSES 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to a consideration of problems in institutional processes.
Prerequisite: One course in sociology or departmental approval.

SOCI 414
SELECTED TOPICS IN APPLIED SOCIOLOGY 3.0
The area to be covered is chosen by the instructor each semester. The course may be selected more than once with approval. Limited to the application of sociological methodology, theory, or content to social situations or to community issues or problems.
Prerequisite: One course in sociology or departmental approval.

SOCI 416
QUALITATIVE RESEARCH IN SOCIOLOGY 3.0
The course will explore qualitative research from diverse theoretical perspectives. It will examine the personal, political, and scientific dilemmas that researchers typically face attempting to gather objective data about the "backstage regions" of the subjects' world. Topics may include the researcher's role in the field; developing rapport and trust; emotions and fieldwork; age, race, sex, and gender issues in research; politics and ethics in fieldwork; researching "high risk" settings; and techniques of data collecting in interviewing and fieldwork.
Prerequisite: SOCI 201 or departmental approval.

SOCI 420
SOCIOLOGY OF LAW 3.0
The impact of the social usages of law on all levels of operation as an instrument of social policy, social control and social regulation. 
Prerequisite: One course in sociology or departmental approval.

SOCI 426
SOCIOLOGY OF SEXUALITY 3.0
The course examines theoretical and empirical work in the sociology of sexuality. It seeks to understand the social foundations of sexual behavior and sexual identity. It explores the relationship between sexuality and politics, focusing on current as well as historical conflicts over sexual behavior and ideologies. 
Prerequisite: One course in sociology or departmental approval.

SOCI 430
SOCIOLOGY OF GENDER 3.0
The social determinants of differences between women and men and the effect of sex role differentiation in the social institutions of marriage and family, the economy and work situation, formal education, health, mass media, and religion; special emphasis is placed on the impact of social change on sex roles in contemporary society. Meets the Multicultural Awareness Requirement.
Prerequisite: One course in sociology or departmental approval.
Spanish Major with Translation Concentration

The concentration in translation is designed to enhance the preparation of Spanish majors who are considering careers in diplomatic service, business, social service or law or who have an interest in literary translation.

Required Courses

39 semester hours:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>SPAN 241</td>
<td>Fundamentals of Spanish Grammar</td>
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<td>SPAN 242</td>
<td>Spanish Composition and Stylistics</td>
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<td>SPAN 361</td>
<td>Masterpieces of Spanish Literature I</td>
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<td>SPAN 362</td>
<td>Masterpieces of Spanish Literature II</td>
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<td>SPAN 363</td>
<td>Masterpieces of Spanish American Literature I</td>
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<td>SPAN 364</td>
<td>Masterpieces of Spanish American Literature II</td>
<td>3</td>
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<tr>
<td>SPAN 349</td>
<td>Introduction to Hispanic Literary Studies</td>
<td>3</td>
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<tr>
<td>SPAN 373</td>
<td>Selected Topics in Spanish and Latin American Literature</td>
<td>3</td>
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<td>SPAN 343</td>
<td>Spanish Film and Fiction</td>
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<td>SPAN 441</td>
<td>Spanish Novel of the 20th Century</td>
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<td>SPAN 442</td>
<td>Spanish Poetry and Drama of the 19th Century</td>
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<td>SPAN 446</td>
<td>Spanish-American Essayists</td>
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<td>SPAN 447</td>
<td>Contemporary Spanish-American Short Story</td>
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<td>SPAN 448</td>
<td>Contemporary Spanish-American Poetry</td>
<td>3</td>
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<td>SPAN 449</td>
<td>The Spanish-American Novel</td>
<td>3</td>
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<tr>
<td>SPAN 466</td>
<td>Contemporary Spanish-American Theater</td>
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<tr>
<td>SPAN 469</td>
<td>The Drama of the Golden Age</td>
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<tr>
<td>SPAN 470</td>
<td>Senior Seminar</td>
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<tr>
<td>SPAN 471</td>
<td>Contemporary Trends in the Spanish-American Novel</td>
<td>3</td>
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<tr>
<td>SPAN 472</td>
<td>Puerto Rican Literature and Thought</td>
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<td>SPAN 473</td>
<td>Sexual Subversion in Contemporary Hispanic Literature</td>
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<td></td>
<td>and Film</td>
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<tr>
<td>SPAN 480</td>
<td>Independent Study</td>
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Electives (9 s.h.):

Select 6 s.h. from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>SPAN 362</td>
<td>Masterpieces of Spanish Literature I</td>
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<td>SPAN 361</td>
<td>Masterpieces of Spanish Literature I</td>
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<tr>
<td>SPAN 242</td>
<td>Spanish Composition and Stylistics</td>
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<td>3</td>
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<td>SPAN 364</td>
<td>Masterpieces of Spanish American Literature II</td>
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<td>SPAN 346</td>
<td>Selected Topics in Spanish Language</td>
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<td>SPAN 343</td>
<td>Spanish Film and Fiction</td>
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<td>SPAN 441</td>
<td>Spanish Novel of the 20th Century</td>
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<td>SPAN 472</td>
<td>Puerto Rican Literature and Thought</td>
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<td>SPAN 473</td>
<td>Sexual Subversion in Contemporary Hispanic Literature</td>
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<td>and Film</td>
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<tr>
<td>SPAN 480</td>
<td>Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

Cultural Elective

Select 3 s.h. from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 374</td>
<td>Spanish Cultural History</td>
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<tr>
<td>SPAN 376</td>
<td>Spanish-American Cultural History</td>
<td>3</td>
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</tbody>
</table>

Concentration in Translation Requirements (12 s.h.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>SPAN 350</td>
<td>Translating I</td>
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<tr>
<td>SPAN 351</td>
<td>Translating II</td>
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<tr>
<td>SPAN 452</td>
<td>Translating III</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 450</td>
<td>Introduction to Interpreting</td>
<td>3</td>
</tr>
</tbody>
</table>

Students who have successfully completed Translating III are eligible to take the certification examination given each year in May.
Teacher Certification

Students pursuing teacher certification must be admitted to the Teacher Education Program and follow the professional sequence outlined in this catalog. As part of the professional sequence students must take SPAN 419, The Teaching of Spanish in Secondary Schools.

Required Courses

36 semester hours:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
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<td>SPAN 364</td>
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<tr>
<td>SPAN 410</td>
<td>Advanced Spanish Grammar</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (12 s.h.)

Literature Elective Courses (from approved department list) ........................................9

SPAN 349 Introduction to Literary Studies .......................................................3
SPAN 373 Selected Topics in Spanish and Latin American Literature..................3
SPAN 439 Spanish Film and Fiction ....................................................................3
SPAN 441 Spanish Novel of the 20th Century ......................................................3
SPAN 442 Spanish Poetry and Drama of the 19th Century ....................................3
SPAN 443 Spanish Prose of the 19th Century ......................................................3
SPAN 444 Spanish Theater of the 20th Century ...................................................3
SPAN 446 Spanish American Essays ....................................................................3
SPAN 447 Contemporary Spanish American Short Story .......................................3
SPAN 448 Contemporary Spanish American Poetry .................................................3
SPAN 449 Spanish American Novel .....................................................................3
SPAN 460 El Quijote .........................................................................................3
SPAN 466 Contemporary Spanish American Theater ...............................................3
SPAN 469 The Drama of the Golden Age ................................................................3
SPAN 470 Senior Seminar ..................................................................................3
SPAN 471 Contemporary Trends in the Spanish American Theater ......................3
SPAN 473 Sexual Subversion in Contemporary Hispanic Literature and Film .........3
SPAN 480 Independent Study ............................................................................3

Cultural Elective (from approved department list) ..................................................3

SPAN 374 Spanish Cultural History ..................................................................3
SPAN 376 Spanish American Cultural History ..................................................3

Second Teaching Field in Spanish

An approved program of at least 30 semester hours and satisfactory completion of The Praxis II exam are required for certification in a second teaching field.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>SPAN 344</td>
<td>Spanish Conversation</td>
<td>3</td>
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<tr>
<td>SPAN 374</td>
<td>Spanish Cultural History</td>
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<td>OR</td>
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<tr>
<td>SPAN 376</td>
<td>Spanish American Cultural History</td>
<td>3</td>
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<tr>
<td>SPAN 410</td>
<td>Advanced Spanish Grammar</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (Major)

Select 6 semester hours in literature courses from the appropriate list to be obtained from the department.

Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take SPAN 419, The Teaching of Spanish in Secondary Schools.

Spanish Minor

Required Courses

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<tr>
<th>Course Code</th>
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<tbody>
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<tr>
<td>SPAN 364</td>
<td>Masterpieces of Spanish American Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select 6 semester hours from electives in language, literature and culture listed below:

Literature Electives

SPAN 349 Introduction to Literary Studies .......................................................3
SPAN 361 Masterpieces of Spanish Literature I ...............................................3
SPAN 363 Masterpieces of Spanish-American Literature I ................................3
SPAN 373 Selected Topics in Spanish and Latin American Literature ...........3
SPAN 439 Spanish Film and Fiction ................................................................3
SPAN 441 Spanish Novel of the 20th Century ...................................................3
SPAN 442 Spanish Poetry and Drama of the 19th Century ................................3
SPAN 443 Spanish Prose of the 19th Century ...................................................3
SPAN 444 Spanish Theater of the 20th Century ................................................3
SPAN 446 Spanish American Essays ................................................................3
SPAN 447 Contemporary Spanish American Short Story ....................................3
SPAN 448 Contemporary Spanish American Poetry .............................................3
SPAN 449 Spanish American Novel ..................................................................3
SPAN 460 El Quijote .........................................................................................3
SPAN 466 Contemporary Spanish American Theater ........................................3
SPAN 469 The Drama of the Golden Age ..........................................................3
SPAN 470 Senior Seminar ................................................................................3
SPAN 471 Contemporary Trends in the Spanish American Theater ..................3
SPAN 472 Puerto Rican Literature and Thought ..............................................3
SPAN 473 Sexual Subversion in Contemporary Hispanic Literature and Film ....3

SPAN 480 Independent Study ............................................................................3

Language Electives

SPAN 343 Introduction to Spanish Phonetics.................................................3
SPAN 344 Spanish Conversation ......................................................................3
SPAN 346 Selected Topics in Spanish Language .............................................3
SPAN 347 Commercial Spanish .........................................................................3
SPAN 350 Translation I ..................................................................................3
SPAN 351 Translation II ..................................................................................3
SPAN 410 Advanced Spanish Grammar ............................................................3
SPAN 422 Practicum in Translating ..................................................................3
SPAN 450 Introduction to Interpreting ............................................................3
SPAN 452 Translation III ................................................................................3

Cultural Electives

SPAN 347 Commercial Spanish .........................................................................3
SPAN 374 Spanish Cultural History ................................................................3
SPAN 376 Spanish American Cultural History .................................................3

Total Semester Hours .......................................................................................18

Hispanic Community Affairs Minor

Required Course

SPAN 472 Puerto Rican Literature and Thought

OR

SPAN 280 Cuban Cultural History ................................................................3

Electives

Select 12 semester hours in courses from the interdepartmental list obtained from the department of Spanish and Italian.

Field Work

Select 3 courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
</table>
| SPAN 360    | Hispanic Community Program ..................................................3
| SPAN 481    | Field Work I ............................................................................3
| SPAN 482    | Field Work II ............................................................................3
| SPAN 483    | Field Work III ..........................................................................3
Italian Major

Required Courses
15 Semester hours:
- ITAL 242 Italian Grammar and Composition I ............................................. 3
- ITAL 243 Grammar and Composition II ....................................................... 3
- ITAL 340 Italian Literature: Origins to 18th Century ................................ 3
- ITAL 341 Italian Literature: 18th to 20th Centuries ..................................... 3
- ITAL 360 Italian Cultural History ................................................................. 3

Electives (Major)
Select 21 semester hours from the appropriate list obtained from the department with at least one course from literature and one from language.

Teacher Certification
Students interested in teaching Italian must be admitted to the Teacher Education Program. See the professional sequence outlined in this catalog. As part of the professional sequence for Italian ITAL 419 The Teaching of Italian in Secondary Schools must be taken.

Major Requirements: (21 s.h.)
- ITAL 242 Italian Grammar and Composition I ............................................. 3
- ITAL 243 Grammar and Composition II ....................................................... 3
- ITAL 309 Italian Conversation .................................................................. 3
- ITAL 340 Italian Literature: Origins to 18th Century ................................ 3
- ITAL 341 Italian Literature: 18th to 20th Centuries ..................................... 3
- ITAL 360 Italian Cultural History ................................................................. 3
- ITAL 410 Italian Grammar for Teachers ...................................................... 3

Major electives Select 15 semester hours from a list to be obtained by the department.

Total semester hours .................................................................................. 36

Second Teaching Field in Italian
An approved program of at least 30 semester hours and satisfactory completion of the Praxis II exam are required for certification in a second teaching field.

ITAL 242 Italian Grammar Composition .......................................................... 3
ITAL 243 Grammar and Composition II ......................................................... 3
ITAL 309 Italian Conversation .................................................................. 3
ITAL 340 Italian Literature: Origins to 18th Century ................................ 3
ITAL 341 Italian Literature: 18th to 20th Centuries ..................................... 3
ITAL 360 Italian Cultural History ................................................................. 3
ITAL 410 Italian Grammar for Teachers ...................................................... 3

Electives
Select 3 semester hours from the appropriate list obtained from the department. Additional requirements may be obtained from the department.

Note: Students who have not taken a methods course in foreign language teaching, must take ITAL 419 The Teaching of Italian in Secondary Schools.

Italian Minor

Required Courses
- ITAL 242 Italian Grammar and Composition I ............................................. 3
- ITAL 243 Grammar and Composition II ....................................................... 3
- ITAL 340 Italian Literature: Origins to 18th Century ................................ 3
- ITAL 341 Italian Literature: 18th through 20th Centuries ............................ 3
- ITAL 360 Italian Cultural History ................................................................. 3

Elective
Select 3 semester hours from the appropriate list obtained from the department.

Total Semester Hours .................................................................................. 18

Courses of Instruction

SPAN 101
SPANISH I 3.0
For students starting Spanish in college or for students with one year of high school experience in Spanish. The fundamentals of listening comprehension, speaking, reading and writing through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language. Prerequisite: Special fee.

SPAN 102
SPANISH II 3.0
For students who have completed Spanish I at Montclair State University or who have two years of high school experience in Spanish, or students who have been placed at this level after taking the placement exam. The strengthening of listening comprehension, speaking, and writing skills through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language. Prerequisite: Special fee.

SPAN 103
SPANISH III 3.0
For students who have completed Spanish II at Montclair State University, students with three years of high school Spanish, or students who have been placed at this level after taking the placement exam. Advanced development of listening comprehension, speaking, and writing through task-based oriented activities, video cassettes, audio cassettes/CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language. Prerequisite: Special fee.

SPAN 104
SPANISH IV 3.0
For students who took Spanish III at Montclair State University, students with four years of high school Spanish, or students who have been placed at this level after taking the placement exam. Review of the most important aspects of Spanish grammar; the strengthening of listening comprehension, speaking, reading and writing skills through task-based oriented activities, audio cassettes/CDs, and laboratory work; and the fundamentals of literary analysis. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language. Prerequisite: Special fee.

SPAN 134
ESSENTIALS OF SPANISH FOR NATIVE SPEAKERS 3.0
An intermediate level course to improve reading and writing skills of Spanish native speakers. Taught in Spanish. Prerequisite: Special fee.

SPAN 135
SPANISH FOR NATIVE SPEAKERS 3.0
This course provides students who are native speakers with a program which enables them to perfect their command of both written and spoken Spanish beyond the Intermediate II level. The course is unique in that it places equal stress upon speaking, reading and writing in order to enable the student to function effectively with Spanish speaking people in the student’s chosen profession. Emphasis is placed upon the more practical aspects of language learning. Meets the 1983 General Education Requirement (GER)–Foreign Language. Taught in Spanish. Prerequisite: SPAN 104 or 134. Special fee.

SPAN 236
INTERMEDIATE SPANISH CONVERSATION 3.0
An intermediate level course for non-majors to improve spoken Spanish and acquire knowledge of Hispanic culture. Taught in Spanish.

SPAN 241
FUNDAMENTALS OF SPANISH GRAMMAR 3.0
This course is designed to give students an active command of the language by means of oral and written exercises, accompanied by a thorough review of the grammar, vocabulary, and idioms. Taught in Spanish.
SPAN 242
SPANISH COMPOSITION AND STYLISTICS 3.0
This course is designed to improve the student’s mastery of the language through written and oral exercises accompanied by a review of advanced grammar. Taught in Spanish. Meets the University Writing Requirement for SPAN, SPTE, SPTR majors.

SPAN 306
BUSINESS COMMUNICATION AND NEGOTIATION IN SPANISH 3.0
Intermediate Spanish IV with intensive practice in the parlance of Spanish and Spanish American business. Communication and negotiation skills will be stressed. Taught in Spanish.
Prerequisite: Special fee.

SPAN 343
INTRODUCTION TO SPANISH PHONETICS 3.0
Prerequisite: SPAN 241. Special fee.

SPAN 346
SELECTED TOPICS IN THE SPANISH LANGUAGE 3.0
This course will explore one aspect of the Spanish language study which is either not covered in the curriculum or deserves more in-depth treatment than is possible in an existing course. May be repeated twice for a total of nine credits.
Prerequisites: SPAN 241 and SPAN 242.

SPAN 347
COMMERCIAL SPANISH 3.0
For students interested in the business field: styles of letter writing, business vocabulary, legal terminology. Emphasis on written fluency and expression. Taught in Spanish.
Prerequisite: Special fee.

SPAN 349
INTRODUCTION TO HISPANIC LITERARY STUDIES 3.0
The course proposes to identify the characteristics of various literary genres and define the inner workings of a piece of literary text. Selections from Spanish and Latin American novels, short stories, poems, dramas and essays will be studied to enable the student to define the uniqueness of each genre. The role of the author, narrative point of view, figurative language, literary structure, and irony will be examined together with the influence of culture, ethnicity, and gender on the creative process. Taught in Spanish.

SPAN 350
TRANSLATING I 3.0
Introduction to the techniques of translating Spanish/English and English/Spanish. Students translate actual documents and texts from a wide variety of fields in order to gain experience in methods of analysis, research and verification. Taught in Spanish. Meets the University Writing Requirement for SPAN, SPTR majors.
Prerequisite: Special fee.

SPAN 351
TRANSLATING II 3.0
A continuation of Translating I. Materials chosen for translation reflect the career interests of the students in the class. Emphasis on professional ethics and the rudiments of translation theory. Taught in Spanish. Meets the University Writing Requirement for SPAN, SPTR majors.
Prerequisite: Special fee.

SPAN 361
MASTERPIECES OF SPANISH LITERATURE I 3.0
The course is designed to introduce the students to Spain’s literary history through an analysis of its major works, movements, and cultural trends from the Medieval period to the 18th Century. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: SPAN 241.

SPAN 362
MASTERPIECES OF SPANISH LITERATURE II 3.0
The course is designed to introduce the student to Spain’s literary history through an analysis of its major works, movements, and cultural trends from the 18th century to the present. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: SPAN 241.

SPAN 363
MASTERPIECES OF SPANISH AMERICAN LITERATURE I 3.0
The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from pre-Columbian times to the latter part of the nineteenth century. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: SPAN 241.

SPAN 364
MASTERPIECES OF SPANISH AMERICAN LITERATURE II 3.0
The aim of the course is to give the student a general and comprehensive understanding of Spanish American literature from the beginning of Modernism to the Contemporary Period. Required for majors. Taught in Spanish. Meets the 1983 General Education Requirement - Foreign Language.
Prerequisite: SPAN 241.

SPAN 373
SELECTED TOPICS IN SPANISH AND LATIN AMERICAN LITERATURE 3.0
The exploration of a topic in Spanish or Latin American literature which deserves more in-depth treatment than is possible in an existing course. The specific topic will be announced each time the course is offered. This course may be repeated twice for a total of 9 credits.
Prerequisite: SPAN 362 or SPAN 364.

SPAN 374
SPANISH CULTURAL HISTORY 3.0
The political, social, philosophical, literary and artistic ideas and institutions of Spain. Taught in Spanish. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Corequisite: SPAN 241.

SPAN 375
STUDY ABROAD 3.0
Study at a university in a Spanish-speaking country to gain firsthand knowledge of the historical, social, economic and cultural life of the country. Credit by evaluation.
Prerequisite: Department approval.

SPAN 376
SPANISH AMERICAN CULTURAL HISTORY 3.0
Corequisite: SPAN 241.

SPAN 385
COOPERATIVE EDUCATION 4.0-8.0
This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.
Prerequisites: Departmental approval.
SPAN 410  
ADVANCED SPANISH GRAMMAR  3.0  
This course is a review of the most important structural features of Spanish, with special emphasis in those areas of interference with English structure which present the greatest difficulties to the student of Spanish. Required for certification. Taught in Spanish.  
Prerequisite: SPAN 242.

SPAN 419  
THE TEACHING OF SPANISH IN SECONDARY SCHOOLS  3.0  
This course is focused on such topics as values and aims in foreign language teaching, survey of methods, pronunciation, reading, grammar, reviews, realia, examinations, supervised study, etc. The course consists of readings and discussions, lesson planning and demonstrations, and organization of material for student teaching. Required for certification. Taught in English.  
Prerequisite: SPAN 242.

SPAN 422  
PRACTICUM IN TRANSLATING  3.0  
This course is designed to provide students with the practical experience of translating in semi-professional situations under faculty supervision. Taught in Spanish. Meets the University Writing Requirement for SPAN majors.  
Prerequisite: Special fee.

SPAN 439  
SPANISH FILM AND FICTION  3.0  
A study of significant works of Spanish Literature from the end of the 19th century through the present time as well as films by important film directors that are either based on such texts or reflect their principal themes. The course will provide detailed study of the evolution of major political and social issues in Spain during the last two centuries and the representation of issues in literature and film. The specificities of the fiction and film will be an essential component of the course and different narrative strategies and cinematographic techniques relevant to each work will be discussed.

SPAN 441  
SPANISH NOVEL OF THE 20TH CENTURY  3.0  
The modern novel in Spain beginning with the "Generacion Del '98." Taught in Spanish.  
Prerequisites: SPAN 361 or 362.

SPAN 442  
SPANISH POETRY AND DRAMA OF THE 19TH CENTURY  3.0  
A critical study of the main works of this century beginning with Duque de Rivas and Espronceda through Echeagaray and Galdós. Taught in Spanish.  
Prerequisites: SPAN 361 or 362.

SPAN 443  
SPANISH PROSE OF THE 19TH CENTURY  3.0  
The main works in Romanticism, Realism and Naturalism in 19th century Spain. Taught in Spanish.  
Prerequisites: SPAN 361 or 362.

SPAN 444  
SPANISH THEATRE OF THE TWENTIETH CENTURY  3.0  
Principal trends of the Spanish theater from Benavente to the contemporary dramatists. Taught in Spanish.  
Prerequisites: SPAN 361 or 362.

SPAN 446  
SPANISH AMERICAN ESSAYISTS  3.0  
The role of the essay in Spanish American life and culture. Studies of selected modern essayists. Taught in Spanish.  
Prerequisite: SPAN 363 or 364.

SPAN 447  
CONTEMPORARY SPANISH AMERICAN SHORT STORY  3.0  
Trends in the contemporary short story; the short story as an important genre in Spanish American letters. Taught in Spanish.  
Prerequisites or corequisites: SPAN 363, 364 or equivalent.

SPAN 448  
CONTEMPORARY SPANISH AMERICAN POETRY  3.0  
A study of contemporary Spanish American poetry from its roots in modernism to the present day. Taught in Spanish.  
Prerequisite: SPAN 363 or 364.

SPAN 449  
THE SPANISH AMERICAN NOVEL  3.0  
Development of the Spanish American novel up to 1945. Taught in Spanish.  
Prerequisite or corequisite: SPAN 363 or 364.

SPAN 450  
INTRODUCTION TO INTERPRETING  3.0  
This course is designed to teach the student the specialized techniques of oral interpreting and to prepare them for a career in the field. Visits to observe professional interpreters at work will be arranged. Taught in Spanish.  
Prerequisite: Special fee.

SPAN 452  
TRANSLATING III  3.0  
Under careful supervision, the student will prepare a translation project, usually consisting of the translation of a text of approximately 50 typewritten pages. Taught in Spanish.  
Prerequisites: SPAN 350. Special fee.

SPAN 460  
EL QUIJOTE  3.0  
The literary and social background, structure, themes and style of El Quijote as a masterpiece. Taught in Spanish.  
Prerequisites: SPAN 361 or 362.

SPAN 466  
CONTEMPORARY SPANISH AMERICAN THEATER  3.0  
The principal movements of the theater in Spanish America in the 20th century. Taught in Spanish.  
Prerequisites: SPAN 363 or 364.

SPAN 469  
THE DRAMA OF THE GOLDEN AGE  3.0  
Representative dramatists of the Siglo de Oro: Lope de Vega, Tirso de Molina, Ruiz de Alarcón and Calderón de La Barca. Taught in Spanish.  
Prerequisites: SPAN 361 or 362.

SPAN 470  
SENIOR SEMINAR  3.0  
Selected topics from Spanish and Spanish American literature acquaint the student with the techniques of literary research. Taught in Spanish.  
Prerequisites: Senior Spanish majors only.

SPAN 471  
CONTEMPORARY TRENDS IN THE SPANISH AMERICAN NOVEL  3.0  
The contemporary novel in Spanish America, with emphasis on the "Nueva Novela." Taught in Spanish.  
Prerequisite: SPAN 363 or 364.

SPAN 472  
PUERTO RICAN LITERATURE AND THOUGHT  3.0  
Insight into the literature and philosophy of the Caribbean Hispanic world; contemporary Puerto Rican writers and the emergent Puerto Rican influence in the United States metropolitan areas. Taught in Spanish. Meets the Multicultural Awareness Requirement.

SPAN 473  
SEXUAL SUBVERSION IN CONTEMPORARY HISPANIC LITERATURE AND FILM  3.0  
This course examines various representations of sexual subversion in selected works and films of Spanish, Latin American, and Caribbean writers and film directors. It analyzes the role of the body and subversive sexualities in challenging politically imposed sexual norms and socially encoded gender practices. Topics include homosexuality and dissidence, transgender and performance, lesbianism, female bonding, and transsexualism.  
Prerequisite: SPAN 362 or SPAN 364.

SPAN 480  
INDEPENDENT STUDY  3.0  
Directed independent study and research in Spanish. Open to students with a 3.00 cumulative average in at least 9 semester hours of Spanish electives.  
Prerequisites: Departmental approval.
ITAL 101
ITALIAN I
For students beginning Italian in college or students who have been placed at this level after taking the placement test. The fundamentals of speaking, reading, and writing through task-oriented activities, video/audio cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: Special fee.

ITAL 102
ITALIAN II
For students who took Italian I at Montclair State University, students with two years of high school experience in Italian, or students who have been placed at this level through the placement test. The fundamentals of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 101 or equivalent. Special fee.

ITAL 103
ITALIAN III
For students who took Italian II at Montclair State University, students with three years of high school experience in Italian, or students who have been placed at this level through the placement test. The fundamentals of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. A continuation of Italian II to strengthen the four language skills. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 102 or equivalent. Special fee.

ITAL 104
ITALIAN IV
For students who took Italian III at Montclair State University, students with two years of high school experience in Italian, or students who have been placed at this level through the placement test. The fundamentals of speaking, reading and writing through task oriented activities, video/audio, cassettes, CDs, and laboratory work. Meets Gen Ed 2002–World Languages. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 103 or equivalent. Special fee.

ITAL 242
ITALIAN GRAMMAR AND COMPOSITION I
Gives students better control of the structure of the language through written and oral practice. Required for majors. Taught in Italian.

ITAL 243
GRAMMAR AND COMPOSITION II
Mastery of the language through written and oral exercises; review of advanced grammar. Required for majors. Taught in Italian. Meets the University Writing Requirement for ITAL, ITTE majors.

ITAL 275
ITALIANS AND ITALIAN AMERICANS:
COMPARATIVE STUDIES
This course shows the relationship between the Italian and Italian American experiences. It deals with aspects of religion, politics, language, work and moral codes. Comparisons are made with the experiences of other ethnic groups in America. The course is taught with an interdisciplinary approach. Taught in English. Cross listed with Classics and General Humanities, GNHU 176; Educational Foundations, EDFD 275.

ITAL 276
THE ITALIAN CINEMA
Development of the Italian cinema from Neo-Realism to today, in particular dealing with the following directors: Rossellini, Fellini, Desica, Zavattini, Bertolucci, Pasolini, Antonioni, Germi and Wertmueller. Taught in English. Cross listed with Classics and General Humanities, GNHU 277.

ITAL 281
CONTEMPORARY ITALIAN CULTURAL STUDIES
Introduction to and critical assessment of social, political, historical, economic, and religious aspects of Italian life by questioning them with a broad range of subtopics such as immigration/racism, identity, popular culture and others in search of a broader understanding of Italian culture. Comparisons drawn between Italian and American cultures. Taught in English. Meets the 1983 General Education Requirement (GER)–Contemporary Issues.

ITAL 309
ITALIAN CONVERSATION
Practice in spoken Italian through assigned topics and discussions about daily life and world events. An opportunity to acquire an adequate vocabulary and competence in Italian as an instrument of oral expression. Taught in Italian.

ITAL 321
COMMERCIAL ITALIAN
This course has been prepared for students majoring or minoring in Italian, or who can demonstrate appropriate linguistic ability in Italian, who wish to study the vocabulary, protocol and styles of correspondence, and documents common to the Italian-speaking business world. Taught in Italian.
Prerequisite: Special fee.

ITAL 340
STUDIES IN ITALIAN LITERATURE:
ORIGINS TO 18TH CENTURY
Representative works from the "Scuola Siciliana" to the 18th century analyzed and discussed. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)–Foreign Language.

ITAL 341
STUDIES IN ITALIAN LITERATURE:
18TH THROUGH 20TH CENTURY
Representative works of the 18th through 20th centuries analyzed and discussed to train students in the analysis of literary works. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)–Foreign Language.
Prerequisite: ITAL 104.

ITAL 350
TRANSLATING
The course will cover general theoretical and philosophical problems of translation and specific problems encountered in the actual translation of different types of texts ranging from literary works to daily communications. Taught in Italian.
Prerequisite: ITAL 242. Special fee.

ITAL 351
ITALIAN LITERATURE OF THE 20TH CENTURY I
Particular attention to the contemporary period. Pirandello, Saba, Ungaretti, Montale and Quasimodo. Taught in Italian.
Prerequisite: ITAL 340 or 341.

ITAL 352
ITALIAN LITERATURE OF THE 20TH CENTURY II
Particular attention to the contemporary period. Pavese, Moravia, Silone, Vittorini and others. Taught in Italian.
Prerequisite: ITAL 340 or 341.

ITAL 360
ITALIAN CULTURAL HISTORY
This course is designed to acquaint the students with the complex and rich texture of Italian civilization from its beginnings to the present. The development of Italian arts, music and theater as well as major social and political institutions, religion, etc. will be considered against the background of Italian history. Required for majors. Taught in Italian. Meets the 1983 General Education Requirement (GER)–Foreign Language.

ITAL 361
ITALIAN LITERATURE OF THE 19TH CENTURY I
Neo-classicism, Romanticism, and Verismo.foscolo, Manzoni and Leopardi. Taught in Italian.
Prerequisite: ITAL 340 or 341.

ITAL 362
ITALIAN LITERATURE OF THE 19TH CENTURY II
Prerequisite: ITAL 340 or 341.

ITAL 375
ITALIAN STUDY ABROAD
Study at an Italian university to gain first hand knowledge of the historical, social, economic and cultural life of Italy. Credit by evaluation.
Prerequisite: Department approval.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL 377</td>
<td>ITALIAN LITERATURE OF THE 18TH CENTURY</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Representative works of the most important writers of this century: Goldoni, Parini, Alfieri, and others will be read and analyzed.</td>
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<td></td>
<td>Prerequisite: ITAL 340 or 341.</td>
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</tr>
<tr>
<td>ITAL 385</td>
<td>COOPERATIVE EDUCATION</td>
<td>4.0-8.0</td>
</tr>
<tr>
<td></td>
<td>This course provides an opportunity to extend academic resources beyond the campus by placing the student in meaningful learning situations with thoroughly screened and approved employers. Each chosen situation is to prepare the student to play a dynamic role in society.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisites: Departmental approval.</td>
<td></td>
</tr>
<tr>
<td>ITAL 410</td>
<td>ADVANCED ITALIAN GRAMMAR</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>A review of the most important structural features of Italian with special emphasis on those areas of interference with English which present the greatest difficulties for the student of Italian. Open to all Italian majors. Taught in Italian.</td>
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</tr>
<tr>
<td></td>
<td>Prerequisite: ITAL 243.</td>
<td></td>
</tr>
<tr>
<td>ITAL 419</td>
<td>THE TEACHING OF ITALIAN IN SECONDARY SCHOOLS</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Aims, objectives, and methods of teaching Italian in secondary schools; textbooks, supplementary teaching material, the language laboratory, tests, etc. Taught in English.</td>
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<td></td>
<td>Prerequisites: ITAL 340 and 341.</td>
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<tr>
<td>ITAL 441</td>
<td>ITALIAN LITERATURE OF THE RENAISSANCE I</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Emphasis on select works of Petrarch and Boccaccio. Taught in Italian.</td>
<td></td>
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<tr>
<td></td>
<td>Prerequisites: ITAL 340 and 341.</td>
<td></td>
</tr>
<tr>
<td>ITAL 442</td>
<td>ITALIAN LITERATURE OF THE RENAISSANCE II</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>The development of humanism in Italy through a study of significant works of representative authors of the 14th, 15th and 16th centuries. Selected readings from Lorenzo De Medici, Poliziano, Pulci, Boiardo, Ariosto, Tasso, Machiavelli and others. Taught in Italian.</td>
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<tr>
<td></td>
<td>Prerequisites: ITAL 340 and 341.</td>
<td></td>
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<tr>
<td>ITAL 461</td>
<td>DANTE SEMINAR I</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Medieval thought as represented in Dante’s works. A selection of readings from Vita Nova, Convivio, Monarchia, analysis and exegesis of Inferno. Taught in Italian.</td>
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<tr>
<td></td>
<td>Prerequisites: ITAL 340 and 341.</td>
<td></td>
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<tr>
<td>ITAL 462</td>
<td>DANTE SEMINAR II</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Medieval thought as represented in Dante’s works. A selection of readings from Vita Nova, De Vulgari Eloquentia, Convivum, and Divina Commedia read and analyzed. Taught in Italian.</td>
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<tr>
<td></td>
<td>Prerequisites: ITAL 340 and 341.</td>
<td></td>
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<tr>
<td>ITAL 469</td>
<td>ITALIAN LITERATURE OF THE 13TH AND 14TH CENTURIES</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>The most important representatives of the Sicilian and Tuscan schools, with particular attention to the Dolce Stil Novo and the works of Dante. Taught in Italian.</td>
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<tr>
<td></td>
<td>Prerequisite: ITAL 340.</td>
<td></td>
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<tr>
<td>ITAL 480</td>
<td>INDEPENDENT STUDY</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Directed independent study and research in Italian. Open to students with a minimum of 3.0 cumulative average in at least 9 hours of Italian electives.</td>
<td></td>
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<tr>
<td></td>
<td>Prerequisite: Departmental approval.</td>
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<tr>
<td>PORT 101</td>
<td>PORTUGUESE I</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>For students with no previous study of Portuguese. Training students to understand, speak, read and write the language. Meets the 1983 General Education Requirement (GER)–Foreign Language.</td>
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<td></td>
<td>Prerequisite: Special fee.</td>
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</tbody>
</table>
THEATRE AND DANCE

SCHOOL OF THE ARTS
Chairperson: Eric Diamond

The Department of Theatre and Dance prides itself on its academic and professional curricula, the exceptional quality of its faculty and the success of its graduates. Because its programs feature both liberal arts and professional training—the cultural legacy which influences all worthwhile quality education—student majors are afforded ample opportunities to participate in meaningful learning experiences and are given increasing responsibility as their training proceeds.

The Bachelor of Arts (B.A.) degree in Theatre Studies, is designed for those interested in the broad based, academic approach to liberal arts education. It requires a successful interview for admission to the program.

The Bachelor of Fine Arts (B.F.A.) degree program has three areas for those interested in pursuing a professional performance or production/design career. It includes a Dance major, a Theatre major with an Acting concentration and a Theatre major with a Production/Design concentration. Each of these areas requires a successful audition or portfolio review for admission to the program.

The Department of Theatre and Dance also requires an audition or interview for those interested in a minor in any of the following programs of study: Dance, Theatre or Musical Theatre. The dates and requirements for department admission and interviews/auditions may be obtained from the Admissions Office or by calling the Department of Theatre and Dance at (973) 655-4217.

Special features of the academic program include internships, performance ensembles, departmental productions, Theatre in the Raw, and Dance Repertory Company. The Department of Theatre and Dance is an accredited institutional member of the National Association of Schools of Theatre (NAST) and National Association of Schools of Dance (NASD). There is also a national honorary fraternity in the Department of Theatre and Dance: Theta Alpha Phi.

Theatre Studies Major—B.A.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 100 Introduction to Theatrical Medium*</td>
<td>3</td>
</tr>
<tr>
<td>THTR 105 Acting I*</td>
<td>3</td>
</tr>
<tr>
<td>THTR 110 Acting II-B.A.</td>
<td>3</td>
</tr>
<tr>
<td>THTR 150 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THTR 201, 202, 203 Rehearsal and Production I, II, III</td>
<td>6</td>
</tr>
<tr>
<td>THTR 228 Play Script Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>THTR 210 Theatre History: Classical to Elizabethan</td>
<td>3</td>
</tr>
<tr>
<td>THTR 211 Theatre History: Restoration to Modern</td>
<td>3</td>
</tr>
<tr>
<td>THTR 330 Play Direction I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 361 B.A. Theatre Workshop</td>
<td>3</td>
</tr>
<tr>
<td>THTR 410 Senior Project: B.A. Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 411 Dramatic Criticism</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: THTR 105 may be used to fulfill a 2002 General Education Requirement (GEN ED) THTR 100 and THTR 105 may be used to fulfill a 1983 General Education Requirement (GER).

Theatre Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 111 Singing for the Actor I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 160 Drawing and Rendering I: Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 228 Singing for the Actor II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 234 History of Decor</td>
<td>3</td>
</tr>
<tr>
<td>THTR 238 Musical Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 245 Drafting I: Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 252 Scene Design I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 258 Fundamentals of Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 278 Stage Make-Up</td>
<td>3</td>
</tr>
<tr>
<td>THTR 338 Musical Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 362 Stage Dialects</td>
<td>3</td>
</tr>
<tr>
<td>THTR 366 Stage Technique: Combat</td>
<td>3</td>
</tr>
<tr>
<td>THTR 391 Playwriting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 430 Play Direction II</td>
<td>3</td>
</tr>
</tbody>
</table>

THTR 433 Shakespeare Workshop | 3 |
THTR 490 Internship in Theatre | 4-16 |

Collateral Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 234 American Drama</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 254 English Drama: Beginnings to 1642</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 263 Art of Drama</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 353 Shakespeare: Comedies-Histories</td>
<td>3</td>
</tr>
<tr>
<td>GNHU285 Mythology</td>
<td>3</td>
</tr>
<tr>
<td>MUGN100 Introduction to Music</td>
<td>3</td>
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Free Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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Free Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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</thead>
</table>

Dance Major—B.F.A.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNCE 205 Rhythmic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 235 Laban Movement Analysis and Bartenieff Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 315 Dance History: Primitive to 1850</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 316 Dance History: 1850 to Present</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 325 Dance Methods</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 240 Mammalian Anatomy and Physiology I</td>
<td>3</td>
</tr>
</tbody>
</table>

Theoretical Studies (20 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNCE 150 Production Elements-Dance</td>
<td>2</td>
</tr>
<tr>
<td>DNCE 205 Rhythmic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 235 Laban Movement Analysis and Bartenieff Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 315 Dance History: Primitive to 1850</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 316 Dance History: 1850 to Present</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 325 Dance Methods</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 240 Mammalian Anatomy and Physiology I</td>
<td>3</td>
</tr>
</tbody>
</table>

Therapy Major—B.F.A.

Concentrations Within the Program

Students in the B.F.A. programs are subject to semester jury or portfolio review and faculty evaluation to determine if they should be permitted to continue in the pre-professional programs of training.

Acting Concentration

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 100 Introduction to Theatrical Medium</td>
<td>3</td>
</tr>
<tr>
<td>THTR 115 Acting I-B.F.A.</td>
<td>6</td>
</tr>
<tr>
<td>THTR 120, 220 Movement for the Actor I-II</td>
<td>6</td>
</tr>
<tr>
<td>THTR 125, 225, 325 Voice for the Performer I-II-III</td>
<td>9</td>
</tr>
<tr>
<td>THTR 130 Acting II-B.F.A.</td>
<td>3</td>
</tr>
<tr>
<td>THTR 150 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THTR 201, 202, 203 Rehearsal and Production I, II, III</td>
<td>8</td>
</tr>
<tr>
<td>THTR 208 Play Script Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>THTR 210 Theatre History: Classical to Elizabethan</td>
<td>3</td>
</tr>
<tr>
<td>THTR 211 Theatre History: Restoration to Modern</td>
<td>3</td>
</tr>
<tr>
<td>THTR 222 Acting III-B.F.A.</td>
<td>3</td>
</tr>
<tr>
<td>THTR 223 Acting IV: B.F.A.: Characterization</td>
<td>3</td>
</tr>
<tr>
<td>THTR 278 Stage Make-Up</td>
<td>3</td>
</tr>
<tr>
<td>THTR 322 Acting V: B.F.A.: Styles</td>
<td>3</td>
</tr>
<tr>
<td>THTR 323 Acting VI: Acting for Television</td>
<td>3</td>
</tr>
<tr>
<td>THTR 324 Acting VII: Professional Auditions</td>
<td>3</td>
</tr>
<tr>
<td>THTR 330, 430 Play Direction I-II</td>
<td>6</td>
</tr>
<tr>
<td>THTR 362 Stage Dialects</td>
<td>3</td>
</tr>
<tr>
<td>THTR 371 History of Costumes: Primitive-Modern</td>
<td>3</td>
</tr>
</tbody>
</table>
Theatre Electives ................................................................. 6
To be chosen from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 112</td>
<td>Singing for the Actor I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 212</td>
<td>Singing for the Actor II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 238</td>
<td>Musical Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 338</td>
<td>Musical Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 366</td>
<td>Stage Technique: Combat</td>
<td>3</td>
</tr>
<tr>
<td>THTR 391</td>
<td>Playwriting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 433</td>
<td>Shakespeare Workshop</td>
<td>3</td>
</tr>
<tr>
<td>THTR 435</td>
<td>Dramatic Workshop</td>
<td>3</td>
</tr>
<tr>
<td>THTR 490</td>
<td>Internship in Theatre</td>
<td>4-16</td>
</tr>
</tbody>
</table>

Free Electives ........................................................... 14

Production/Design Concentration

Required Courses

<table>
<thead>
<tr>
<th>Major Courses (30 semester hours)</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 150 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THTR 160 Drawing and Rendering I: Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 234 History of Decor</td>
<td>3</td>
</tr>
<tr>
<td>THTR 245 Drafting I: Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 246 Drafting II: Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 250 Advanced Theatre Technology</td>
<td>3</td>
</tr>
<tr>
<td>THTR 252 Scene Design I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 255 Stage Management</td>
<td>3</td>
</tr>
<tr>
<td>THTR 258 Fundamentals of Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 371 History of Costumes: Primitive-Modern</td>
<td>3</td>
</tr>
</tbody>
</table>

Supportive Theatre Courses (29 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 205</td>
<td>Rehearsal and Production: BFA Production and Design</td>
<td>2</td>
</tr>
<tr>
<td>THTR 208</td>
<td>Play Script Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>THTR 210</td>
<td>Theatre History: Classical to Elizabethan</td>
<td>3</td>
</tr>
<tr>
<td>THTR 211</td>
<td>Theatre History: Restoration to Modern</td>
<td>3</td>
</tr>
<tr>
<td>THTR 330</td>
<td>Play Direction I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 440</td>
<td>Senior Project: Production/Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Theatre Electives (7-13 semester hours)

Select from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 260</td>
<td>Drawing and Rendering II: Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 278</td>
<td>Stage Makeup</td>
<td>3</td>
</tr>
<tr>
<td>THTR 345</td>
<td>Scene Design II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 350</td>
<td>Technical Direction</td>
<td>3</td>
</tr>
<tr>
<td>THTR 352</td>
<td>Scene Painting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 354</td>
<td>Repair and Maintenance of Theatrical Equipment</td>
<td>3</td>
</tr>
<tr>
<td>THTR 370</td>
<td>Costume Construction I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 372</td>
<td>Costume Design I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 403</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>THTR 450</td>
<td>Theatrical Sound</td>
<td>3</td>
</tr>
<tr>
<td>THTR 458</td>
<td>Advanced Lighting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 490</td>
<td>Internship in Theatre</td>
<td>4-16</td>
</tr>
<tr>
<td>PHYS 443</td>
<td>Computer Aided Drafting</td>
<td>3</td>
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</table>

Free Electives ........................................................... 7-13

Dance Minor

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNCE 316</td>
<td>Dance History: 1850 to Present</td>
<td></td>
</tr>
<tr>
<td>DNCE 105</td>
<td>Dance Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 141</td>
<td>Dance Technique: Modern I</td>
<td>6</td>
</tr>
<tr>
<td>DNCE 155</td>
<td>Dance Technique: Ballet I</td>
<td>6</td>
</tr>
</tbody>
</table>

Dance Electives (to be selected from): 6-8

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNCE 141</td>
<td>Dance Technique: Modern I</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 155</td>
<td>Dance Technique: Ballet I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total semester hours .................................................. 21-23
*Placement level to be determined by audition.

Musical Theatre Minor

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 112</td>
<td>Singing for the Actor I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 212</td>
<td>Singing for the Actor II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 105</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 115</td>
<td>Acting I - B.F.A.</td>
<td>3</td>
</tr>
<tr>
<td>THTR 201</td>
<td>Rehearsal and Production I</td>
<td>1</td>
</tr>
<tr>
<td>THTR 238</td>
<td>Musical Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 338</td>
<td>Musical Theatre II</td>
<td>3</td>
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</table>

One dance elective from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 120</td>
<td>Movement for the Actor I</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 141</td>
<td>Dance Technique: Modern I</td>
<td>3</td>
</tr>
<tr>
<td>DNCE 155</td>
<td>Dance Technique: Ballet I</td>
<td>3</td>
</tr>
</tbody>
</table>

One theatre elective to be selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 100</td>
<td>Introduction to Theatrical Medium</td>
<td>3</td>
</tr>
<tr>
<td>THTR 150</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THTR 110</td>
<td>Acting II - B.A.</td>
<td>3</td>
</tr>
</tbody>
</table>

Theatre Minor

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 100</td>
<td>Introduction to Theatrical Medium</td>
<td>3</td>
</tr>
<tr>
<td>THTR 105</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 201</td>
<td>Rehearsal and Production I</td>
<td>1</td>
</tr>
<tr>
<td>THTR 210</td>
<td>Theatre History: Classical to Elizabethan</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THTR 211</td>
<td>Theatre History: Restoration to Modern</td>
<td>3</td>
</tr>
<tr>
<td>THTR 110</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 150</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THTR 201</td>
<td>Rehearsal and Production I</td>
<td>1-3</td>
</tr>
<tr>
<td>THTR 210</td>
<td>Theatre History I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 211</td>
<td>Theatre History II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 330</td>
<td>Play Direction I</td>
<td>3</td>
</tr>
</tbody>
</table>

Courses of Instruction

DNCE 105

DANCE APPRECIATION

3.0
Course is designed to inform the student about dance as a performing art form. Focus is on developing a critical framework for viewing various styles of dance performance. The course includes lectures, discussions, selected readings, films, video tapes, and live performances. Some experiential movement sessions. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.

Prerequisites: Non-majors only.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNCE 141</td>
<td>DANCE TECHNIQUE: MODERN I</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Introduction to modern dance. Techniques and basic elements of modern dance. Designed for non-majors or students with limited or no previous experience. May be repeated for a maximum of twelve credits. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Electives, Creative Expression. Prerequisite: Special fee.</td>
<td></td>
</tr>
<tr>
<td>DNCE 150</td>
<td>PRODUCTION ELEMENTS-DANCE</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Introduction to technical productions related to dance. Survey of terminology, application of production principles, and aesthetic potential for production.</td>
<td></td>
</tr>
<tr>
<td>DNCE 155</td>
<td>DANCE TECHNIQUE: BALLET I</td>
<td>3.0</td>
</tr>
<tr>
<td>DNCE 161</td>
<td>CHOREOGRAPHY I</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Elements and methods of dance composition. Prerequisite: DNCE 265.</td>
<td></td>
</tr>
<tr>
<td>DNCE 205</td>
<td>RHYTHMIC ANALYSIS</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>All basic rhythmic structures (basic note values, meter, etc.) covered and immediately applied to movement; games, notational assignments, and choreographic studies used to create understanding of the inherent rhythm within all basic dance movement. Prerequisites: Dance majors only.</td>
<td></td>
</tr>
<tr>
<td>DNCE 235</td>
<td>LABAN MOVEMENT ANALYSIS AND BARTENIEFF FUNDAMENTALS</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Introduces principles and practical applications of Laban Movement Analysis and the Bartenieff Fundamentals. Presents LMA as a comprehensive system of analyzing, observing and notating human movement. Bartenieff Fundamentals, a body therapy used to increase body and movement efficiency with greater ease, explores the functional anatomy of body organization and patterning in human movement. Course includes both theory and practical application. Prerequisite: Dance majors only.</td>
<td></td>
</tr>
<tr>
<td>DNCE 241</td>
<td>DANCE TECHNIQUE: MODERN II</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Further study and application of basic movement vocabulary, alignment, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits. Prerequisite: Dance majors or minors only. Special fee.</td>
<td></td>
</tr>
<tr>
<td>DNCE 255</td>
<td>DANCE TECHNIQUE: BALLET II</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Further study of beginning ballet with emphasis on structural alignment, barre work and center floor exercises. May be repeated for a maximum of 24 credits. Prerequisite: Dance majors or minors only. Special fee.</td>
<td></td>
</tr>
<tr>
<td>DNCE 261</td>
<td>CHOREOGRAPHY II</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Dance choreography with emphasis on small group works and solos, including form and structure. Prerequisite: DNCE 161.</td>
<td></td>
</tr>
<tr>
<td>DNCE 265</td>
<td>DANCE IMPROVISATION</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Basic skills and problems in dance improvisation. Prerequisite: Dance majors or minors only.</td>
<td></td>
</tr>
<tr>
<td>DNCE 280</td>
<td>DANCE PRACTICUM</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>Practical work in dance production: dancing, assisting, directing, accompanying, working on technical or house crew. May be repeated for a maximum of eight credits. This course offered as Pass/Fail only.</td>
<td></td>
</tr>
<tr>
<td>DNCE 315</td>
<td>DANCE HISTORY: PRIMITIVE TO 1850</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Dance as it has developed from primitive, religious, and ritualistic movement to the establishment of ballet in Russia. Emphasis upon ancient forms, courtly life, and the development of ballet. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts; Art Appreciation. Meets the University Writing Requirement for DANC majors.</td>
<td></td>
</tr>
<tr>
<td>DNCE 316</td>
<td>DANCE HISTORY: 1850 TO PRESENT</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Study of dance in its historical context, with reference to development of ballet, modern dance, post-modernism, and jazz elements. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts; Art Appreciation. Meets the University Writing Requirement for DANC majors.</td>
<td></td>
</tr>
<tr>
<td>DNCE 325</td>
<td>DANCE METHODS</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Approaches, problems, resources and techniques for teaching and developing dance programs geared to grades 7-12 and various adult levels. Includes curriculum, unit and lesson planning as well as practical application of methodology. Prerequisites: Dance majors only.</td>
<td></td>
</tr>
<tr>
<td>DNCE 341</td>
<td>DANCE TECHNIQUE: MODERN III</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Further study and application of basic movement vocabulary, complex movement patterns, style and performance. May be repeated for a maximum of 24 credits. Prerequisite: Dance majors or minors only. Special fee.</td>
<td></td>
</tr>
<tr>
<td>DNCE 355</td>
<td>DANCE TECHNIQUE: BALLET III</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Advanced technique in ballet with emphasis on individualized placement. Work on musicality, line, dynamics and stylistic refinement. May be repeated for a maximum of 24 credits. Prerequisites: Dance majors or minors only. Special fee.</td>
<td></td>
</tr>
<tr>
<td>DNCE 361</td>
<td>CHOREOGRAPHY III</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Exploring and applying performance concepts and techniques used in choreographing for groups of varying sizes. Prerequisite: DNCE 261.</td>
<td></td>
</tr>
<tr>
<td>DNCE 401</td>
<td>DANCE FOR CHILDREN</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>This course will explore all aspects of teaching dance to children (K-6) in the public school system and in the private sector. Prerequisites: DNCE 161, DNCE 205, DNCE 235, DNCE 265, two semesters of ballet (DNCE 255, DANCE 355, DNCE 455) and two semesters of modern (DNCE 241, DNCE 341, DNCE 441).</td>
<td></td>
</tr>
<tr>
<td>DNCE 403</td>
<td>INDEPENDENT STUDY</td>
<td>1.0-3.0</td>
</tr>
<tr>
<td></td>
<td>Proposals must be submitted for departmental approval prior to registration for the course. Prerequisite: Departmental approval.</td>
<td></td>
</tr>
<tr>
<td>DNCE 435</td>
<td>DANCE ARTS ACTIVITY</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>The theory and practice of specialized dance activities which are not currently part of the core curriculum in dance. May be repeated for credit when the title changes.</td>
<td></td>
</tr>
<tr>
<td>DNCE 441</td>
<td>DANCE TECHNIQUE: MODERN IV</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Continuation of DNCE 341. May be repeated for a maximum of 24 credits. Prerequisite: Dance majors or minors only. Special fee.</td>
<td></td>
</tr>
<tr>
<td>DNCE 455</td>
<td>DANCE TECHNIQUE: BALLET IV</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Advanced ballet technique with emphasis on individualized placement. Continuation of work with intricate, technically difficult sequences. Continuation of emphasis on musicality, line, dynamics, and stylistic refinement. May be repeated for a maximum of 24 credits. Prerequisites: Dance majors or minors only. Special fee.</td>
<td></td>
</tr>
</tbody>
</table>
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

### DNCE 480
**SENIOR PROJECT**

Individual creative or research project under supervision of dance faculty in senior year. By arrangement.

*Prerequisite: Dance majors or minors only.

### DNCE 485
**DANCE REPERTORY**

0.5

Dancing, choreographing, or providing technical assistance for the MSU Repertory Dance Company. Must be taken every semester.

*Prerequisite: Dance majors or minors only.

### DNCE 490
**INTERNSHIP IN DANCE**

4.0-15.0

Upper class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in active, successful dance activity. Departmental eligibility and approval must be secured by the mid-point of the semester preceding registration.

*Prerequisite: Departmental approval.

### THTR 100
**INTRODUCTION TO THE THEATRICAL MEDIUM**

3.0

All forms of theatrical literature and productions including drama, ballet, mime, opera, circus, musical comedy and mass media. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.

### THTR 105
**ACTING I**

3.0


### THTR 110
**ACTING II - B.A.**

3.0

Continuation of Acting I including improvisation, scene study, characterization and script analysis.

*Prerequisite: THTR 105; B.A. Theatre Studies majors only.

### THTR 112
**SINGING FOR THE ACTOR I**

3.0

This course will develop and train the actors' voice and interpretation of songs through exercises, vocal production technique, in-class vocal assignments, and texts. The student will be expected to learn and prepare several songs over the term and be expected to be able to present them in a professional manner, i.e., with confidence, control and in a manner which best displays the actors' vocal abilities.

*Prerequisite: THTR 105 or 115.

### THTR 115
**ACTING I - B.F.A.**

3.0

Work on the actor’s instrument; use of the senses, involvement with the environment and other actors; concentration, honesty and work with freeing the body, voice and imagination. Improvisation is the primary tool used for developing the actor's instrument and shaping material.

*Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

### THTR 120
**MOVEMENT FOR THE ACTOR I**

3.0

Basic movement for the actor in terms of development of characterization, physicality and projection of mood and attitude.

*Prerequisite: B.F.A. in Theatre, Acting concentration majors or Musical Theatre majors only.

### THTR 125
**VOICE FOR THE PERFORMER I**

3.0

The voice skills necessary for the actor. Intensive work directed toward classic and modern styles in stage diction.

*Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

### THTR 130
**ACTING II - B.F.A.**

3.0

A continuation of Acting I with more advanced work on the actor's instrument. Improvisation and theatre games used in developing a workshop for public presentation.

*Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

### THTR 150
**STAGERCRAFT**

3.0

An introductory course in technical theatre, primarily, scenery construction, lighting technology, and costume construction. A practical experience course that involves stagecraft work in the theatre production shops.

*Prerequisites: B.A. in Theatre Studies, or B.F.A. in Theatre, Acting concentration, or B.F.A. in Theatre, Production/Design concentration, or B.F.A. Dance majors, or Theatre minor students only.

### THTR 160
**DRAWING AND RENDERING I: THEATRE**

3.0

A drawing course aimed at developing skills necessary for rendering techniques for stage designs. Perspective drawing, the use of light, shadow, composition, landscape and the techniques in different media (such as pencil, charcoal, pastel, ink, tempera), basic water color technique, color theory, and architectural sketching are included.

*Prerequisite: THTR 150.

### THTR 201
**REHEARSAL AND PRODUCTION I**

1.0

On or off stage experience in departmental productions. May be repeated seven times for a total of eight semester hours.

### THTR 202
**REHEARSAL AND PRODUCTION II**

1.0

On or off stage experience in departmental productions. May be repeated seven times for a total of eight semester hours.

### THTR 203
**REHEARSAL AND PRODUCTION III**

1.0

On or off stage experience in departmental productions. May be repeated seven times for a maximum of eight credits.

### THTR 205
**REHEARSAL AND PRODUCTION: BFA PRODUCTION AND DESIGN**

2.0

Course involves intense practical work on departmental productions. Taken each semester for first seven semesters in BFA Production/Design Program for a total of 14 credits.

*Prerequisite: BFA Production/Design majors only.

### THTR 208
**PLAY SCRIPT INTERPRETATION**

3.0

An evaluation of the playscript in terms of the literary, technical, and production elements essential to mounting it for performance. A consideration of both the fictional and the functional elements of playscripts. Meets the University Writing Requirement for THAC, THPD, THST majors.

### THTR 210
**THEATRE HISTORY: CLASSICAL TO ELIZABETHAN**

3.0

The development of the theatre from the Classical Greek through the Elizabethan period. Attention to plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations; oral reports, lectures and demonstrations. Meets the University Writing Requirement for THAC, THPD, THST majors.

### THTR 211
**THEATRE HISTORY: RESTORATION TO MODERN**

3.0

The development of the theatre from the Restoration through the Modern period. Attention on plays, playwrights, theatre architecture, scenery, costuming, styles of acting and presentations of the period; oral reports, lectures and demonstrations. Meets the University Writing Requirement for THAC, THPD, THST majors.
THTR 212  
SINGING FOR THE ACTOR II  3.0  
This course will continue the work of Singing for the Actor I to train the actors' voice through exercises and vocal production technique designed to provide flexibility and freedom to the singer; to learn to protect the voice from harm while maximizing its strengths and potential.  
Prerequisites: THTR 112.

THTR 220  
MOVEMENT FOR THE ACTOR II  3.0  
Advanced movement for the actor in terms of the relationship of movement to characterization and the need to cultivate physical and emotional relationships in body movement.  
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

THTR 222  
ACTING III - B.F.A.  3.0  
Introduction to the creation and use of psychophysical action (method of physical actions) to generate physical and emotional involvement; development of work with objectives, obstacles and actions and use of the body's musculature to involve the actor and project character in both nonverbal and scripted scene work.  
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

THTR 223  
ACTING IV - B.F.A.: CHARACTERIZATION  3.0  
A continuation of Acting III and work with psychophysical action; further development of objectives, obstacles, and actions and work with the body's musculature. More advanced character study through scene work.  
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

THTR 225  
VOICE FOR THE PERFORMER-II  3.0  
Intermediate study in the voice skills necessary for performance in a professional setting. Advanced work in voice production and vocal characterization directed toward performance styles and stage presentation.  
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

THTR 234  
HISTORY OF DECOR  3.0  
The major architectural and decorative periods of the world and their influences and role in the theatre as applied to the designer, from Ancient to Post-Modern.  
Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.

THTR 238  
MUSICAL THEATRE I  3.0  
Production styles, techniques and dramatic conventions used in the musical theatre in relation to direction, music, dance, and design.  
Prerequisites: THTR 105 or 115.

THTR 245  
DRAFTING I: THEATRE  3.0  
Techniques in theatrical drafting that explore the mechanics of drafting through the solution of practical problems in floor planning, front and rear elevations; the use of different building techniques, materials and structures.  
Prerequisite: THTR 150.

THTR 246  
DRAFTING II: THEATRE  3.0  
Advanced study in building, rigging, and stress problems related to theatre design and production. Advanced drafting techniques for theatrical designs.  
Prerequisites: THTR 245.

THTR 250  
ADVANCED THEATRE TECHNOLOGY  3.0  
An advanced course in technical theatre. Examples of topics to be covered are mechanics, stage rigging, advanced construction techniques, pneumatics, hydraulics and electronics. Practical application in department of theatre productions.  
Prerequisite: THTR 150.

THTR 252  
SCENE DESIGN I  3.0  
Interpretation or dramatic texts towards the realization of effective stage designs. Styles and principles will be explored as well as the complete process which translates visual concepts into stage worthy designs. The use of different media: drawing ground plans, paint, front elevations.  
Prerequisites: THTR 160.

THTR 255  
STAGE MANAGEMENT  3.0  
A study in the organizational skills needed to document and manage a theatre or dance production form audition to final performance. May be repeated once for a total of six credits.

THTR 258  
FUNDAMENTALS OF STAGE LIGHTING  3.0  
The functions of light on stage; the use of lighting equipment. Application work in the Memorial Auditorium and L. Howard Fox Studio Theatre.  
Prerequisites: THTR 245.

THTR 260  
DRAWING AND RENDERING II: THEATRE  3.0  
Advanced drawing and rendering for theatrical stage design. Includes work with color, the human figure and perspective as well as work with ink.  
Prerequisite: THTR 160.

THTR 265  
THE CONTEMPORARY THEATRE OF CULTURAL DIVERSITY  3.0  

THTR 273  
STAGE MAKE-UP  3.0  
Appreciation of make-up through symbolic aspects and historic differences with regard to theatrical productions. Make-up materials and their uses; creating corrective and character make-up; mustaches and beards for a research or creative experience to compile a practical resource file.  
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or Theatre minors only.

THTR 278  
STAGE MAKE-UP  3.0  
Appreciation of make-up through symbolic aspects and historic differences with regard to theatrical productions. Make-up materials and their uses; creating corrective and character make-up; mustaches and beards for a research or creative experience to compile a practical resource file.  
Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or Theatre minors only.

THTR 322  
ACTING V - B.F.A.: STYLES  3.0  
Scenes from plays of various periods; studying the manners and mores and theatrical conventions of each selected period in order to create a heightened reality when approaching period scene work.  
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

THTR 323  
ACTING VI: ACTING FOR TELEVISION  3.0  
This course is designed to continue the study and development of the acting technique established in Acting I-V and to train actors to transfer these skills to the medium of television. Students will rehearse scenes taken from a wide range of material and commit them to videotape. They will learn how to make appropriate acting choices when playing in front of the camera and to deal with the problems faced by the actor in most TV/film production situations.  
Prerequisite: B.F.A. in Theatre, Acting concentration students only.

THTR 324  
ACTING VII - B.F.A.: PROFESSIONAL AUDITIONS  3.0  
The business side of acting; auditions, pictures and resumes, agents, and showcases. Students work on finding and preparing appropriate monologues for professional auditions.  
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.

THTR 325  
VOICE FOR THE PERFORMER-III  3.0  
Advanced study in the voice skills necessary for performance in a professional setting. Intensive work in voice production and vocal development necessary to develop selected performance styles and techniques.  
Prerequisite: B.F.A. in Theatre, Acting concentration majors only.
THTR 330
PLAY DIRECTION I 3.0
Principles of direction; selection and casting; exercises in composition and movement; scenes directed for class criticism; preparation of prompt book. Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.

THTR 338
MUSICAL THEATRE II 3.0
This course explores the role of the singing actor, including characterization and performance skills. It examines the functions of music, lyrics, and script, and how they are integrated into one dramatic effort. It addresses the differences in styles between older presentational musicals and newer musical dramas. Prerequisite: THTR 105 or 115.

THTR 345
SCENE DESIGN II 3.0
A continuation of Stage Design I with emphasis upon specific forms of drama as well as opera and musical comedy. Includes the use of color with ink, acrylic and pastel. Prerequisite: THTR 252.

THTR 350
TECHNICAL DIRECTION 3.0
An in-depth study of technical direction production and direction. Areas of study include production budgeting, planning and scheduling, and production and studio design. The course will include laboratory and production experience. Prerequisite: THTR 150.

THTR 352
SCENE PAINTING 3.0
The theory and practice of the general techniques of the scenic artist and the methods and materials used in this discipline. Prerequisites: THTR 160 and B.F.A. in Theatre, Production/Design concentration majors only.

THTR 354
REPAIR AND MAINTENANCE OF THEATRICAL EQUIPMENT 3.0
Practical study in the repair and maintenance of theatre equipment, including machines, lights, and tools. Prerequisite: THTR 150.

THTR 361
B.A. THEATRE WORKSHOP 3.0
This course explores a variety of dramatic material for performance potential. It melds performance and directing with the study of literature and aspects of playwriting to create a dynamic theatrical experience that draws on students' theoretical background as well as performance skills. Prerequisites: THTR 208 and B.A. in Theatre Studies majors only.

THTR 362
STAGE DIALECTS 3.0
Lecture and laboratory demonstration on sound substitutions, rhythms, and inflectional patterns used in creating effective stage dialects. Performance in standard British, Cockney, Irish, Scottish, French, Italian, German, and Spanish dialects.

THTR 366
STAGE TECHNIQUE: COMBAT 3.0
Stage use of sword-play, hand-to-hand combat and combat choreography with broadsword, epee, cudgel and staff among others. Prerequisite: THTR 105 or 115.

THTR 370
COSTUME CONSTRUCTION I 3.0
Studies the practical function of the costume shop and the techniques and crafts used in the execution of costumes for the stage. Production work is included with discussions of pattern and fitting techniques.

THTR 371
HISTORY OF COSTUMES: PRIMITIVE-MODERN 3.0
The evolution of costume and the development of tailoring; social, economic and political influences on silhouette and ornamentation, from the Primitive to the Modern eras.

THTR 372
COSTUME DESIGN I 3.0
A study of basic costume design for the stage, emphasizing the interpretation of dramatic texts in terms of characterization. Basic figure drawing and fabric study are included and the collaborative process which translates ideas to finished design will be explored. Prerequisite: THTR 371.

THTR 385
PRODUCTION MANAGEMENT 2.0
Study and compare aspects related to the management of theatrical productions in professional and educational theatre. The course will cover resource management, budget planning and tracking, labor union rules and regulations.

THTR 391
PLAYWRITING 3.0
The creation of an original script suitable for production. The cause to effect play will be investigated as well as newer trends in theatre. Investigation of marketing possibilities, and the preparation of scripts for submission. Students should have a background in the technique and artistic aspects of the theatre. Prerequisite: THTR 208 or departmental approval.

THTR 403
INDEPENDENT STUDY 1.0-3.0
Proposals must be submitted for departmental approval prior to registration for the course. Prerequisite: Departmental approval.

THTR 407
INTERNSHIP: PRODUCTION/DESIGN 4.0-12.0
Practical experience as a member of a professional, semi-professional or educational theatre on- or off-campus. Work as a technician or as an assistant to the designer or producer. Prerequisite: Departmental approval.

THTR 410
SENIOR PROJECT: B.A. THEATRE 3.0
This course is the capstone for the BA in Theatre Studies. Final projects with a written and practical component will be devised individually by the student and the faculty in the student's area of concentration. Prerequisite: THTR 411.

THTR 411
DRAMATIC CRITICISM 3.0
Dramatic principles of theme, content, and characterization as they relate to production and performance; evaluation and analysis of the basic ingredients of dramatic criticism as related to the critic, the director, the scenic artist and the performer. Prerequisite: THTR 361.

THTR 430
PLAY DIRECTION II 3.0
Advanced play direction with emphasis on the director’s analysis of the script and working with performers; participants will direct a scene and a one act play. Prerequisite: B.A. in Theatre Studies majors, or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.

THTR 432
SPECIAL TOPICS IN THEATRE 1.0-3.0
A selected aspect of theatrical theory and/or practice not included in the regular departmental offerings will be explored in depth. May be repeated for a total of six semester hours.

THTR 433
SHAKESPEARE WORKSHOP 3.0
Analysis and performance of scenes from Shakespearean histories, comedies, and tragedies. Prerequisite: THTR 322 or departmental approval.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THTR 435</td>
<td>DRAMATIC WORKSHOP</td>
<td>3.0</td>
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<tr>
<td></td>
<td>An advanced course combining students as actors or directors engaged in research and performance of classical and contemporary styles of theatre in a &quot;works-in-progress&quot; atmosphere. Material will be drawn from the full spectrum of theatre. Prerequisite: B.A. in Theatre Studies majors or B.F.A. in Theatre, Acting concentration majors, or B.F.A. in Theatre, Production/Design concentration majors only.</td>
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<tr>
<td>THTR 440</td>
<td>SENIOR PROJECT: PRODUCTION/DESIGN</td>
<td>3.0</td>
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<td>Topics for investigation in the area of production and design. Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.</td>
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<tr>
<td>THTR 450</td>
<td>THEATRICAL SOUND</td>
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<td>Theatrical uses of sound in production approaches to theatre. Primary focus on the role sound plays in enhancing theatrical design and production. Prerequisite: B.F.A. in Theatre, Production/Design concentration majors only.</td>
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<tr>
<td>THTR 458</td>
<td>ADVANCED LIGHTING</td>
<td>3.0</td>
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<td>Advanced lighting skills in theatre and the related areas of dance, opera and the musical comedy. Prerequisite: THTR 258.</td>
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<tr>
<td>THTR 475</td>
<td>COSTUME DESIGN II</td>
<td>3.0</td>
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<td></td>
<td>Continues the theories and skills introduced in Costume Design I. Advanced rendering techniques are explored as well as specific design problems related to opera, ballet, and other non-naturalistic theatrical forms. Prerequisite: THTR 470.</td>
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<tr>
<td>THTR 490</td>
<td>INTERNSHIP IN THEATRE</td>
<td>4.0-16.0</td>
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<td>Upper-class undergraduate students may pursue a major portion of a semester's work under the supervision of an experienced professional practitioner as an assistant in an active, successful theatre, dance, speech or media center program. Departmental eligibility and approval must be secured by the midpoint of the semester preceding registration. Credit by arrangement. Prerequisite: Departmental approval.</td>
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<tr>
<td>THTR 495</td>
<td>THESIS (SENIOR)</td>
<td>3.0</td>
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<td>Senior project in an area of student’s primary field of specialization; theatre history, dramatic literature, criticism or performance theory. Requires intensive research project demonstrating the student’s ability to apply the theories and principles revealed by his project to performance or production.</td>
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</table>
Women's Studies Major

COLLEGE OF HUMANITIES AND
SOCIAL SCIENCES

Director: Sally McWilliams

The Women's Studies major is an interdisciplinary academic program that provides students with a knowledge of the history and evolution of feminist theory and practice. It imparts to students an understanding of the feminist debates that take place in a multitude of disciplines and the role that these play in broadening and restructuring other disciplines. The program situates Women's Studies within a cross-cultural context and enhances students' awareness of issues affecting women in different cultural, religious, ethnic, economic, and class settings. Women's Studies empowers students to participate in transforming repressive cultural and political practices and to use their knowledge to create a personal and communal agenda aimed at social change.

The Women's Studies major prepares students for postgraduate education in Women's Studies and for careers in fields related to social services, education, psychology, communications and the media, the arts, law, health professions and community action work.

Women's Studies Major

Required Core Courses (12 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>WMST/PSYC 102</td>
<td>Women's Worlds</td>
<td>3</td>
</tr>
<tr>
<td>WMST 301</td>
<td>Feminist Theory</td>
<td>3</td>
</tr>
<tr>
<td>WMST 302</td>
<td>Selected Topics in Women's Studies</td>
<td>3</td>
</tr>
<tr>
<td>WMST 402</td>
<td>Seminar in Women's Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (21 semester hours)

Students will select 7 courses from among the Women's Studies offerings with no more than 3 courses from any one department. At least 5 of the courses must be at the 200 level or above. Students may choose from among the courses listed under Women's Studies in the Schedule of Courses booklet. Students may repeat the Selected Topics course twice as an elective, in addition to taking it as a requirement.

*Selected Topics courses, Special Topics courses or Seminars in other departments can be applied toward the major only when they have a Women's Studies focus and have been approved by the Director of the Women's Studies program.

Women's Studies Minor

Director: Sally McWilliams

The Women's Studies minor program is an interdisciplinary academic program. The minor includes two required three credit core courses: an introductory interdisciplinary course, and a course in feminist theory. Flexibility of choice of the other 12 credits from courses in various academic departments permits a student either to get a broad perspective of women's studies or to specialize in an area such as women in literature or women in society. Each student should consult with the Director of the Women's Studies program to work out a suitable course of studies to meet the minor requirements. The Women's Studies minor consists of 18 credits.

Required Courses (6 semester hours)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>WMST 102/PSYC 102</td>
<td>Women's Worlds</td>
<td>3</td>
</tr>
<tr>
<td>WMST 301</td>
<td>Feminist Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (12 semester hours)

Select four three credit courses from the following interdepartmental list to complete the eighteen required semester hours.

*Selected Topics courses, Special Topics courses or Seminars in other departments can be applied toward the minor only when they have a Women's Studies focus and have been approved by the Director of the Women's Studies program.

Women's Studies Minor

Anthropology

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ANTH 380</td>
<td>Anthropology of Women</td>
<td>3</td>
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Classics and General Humanities

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<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>GNHU 383</td>
<td>Women in Antiquity</td>
<td>3</td>
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</table>

Counseling, Human Development and Educational Leadership

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>COUN 481</td>
<td>The Legal Rights of Women</td>
<td>3</td>
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Economics

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ECON 250</td>
<td>Selected Topics in Economics</td>
<td>3</td>
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Educational Foundations

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<th>Course Code</th>
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<tbody>
<tr>
<td>EDFF 264</td>
<td>Sexism in American Education</td>
<td>3</td>
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English

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<tr>
<th>Course Code</th>
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<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENGL 250</td>
<td>Special Topics in English or American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 294</td>
<td>Women Poets</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 301</td>
<td>The Novels of Toni Morrison</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 493</td>
<td>Seminar in American Literature</td>
<td>3</td>
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<tr>
<td>ENLT 372</td>
<td>Women Prose Writers</td>
<td>3</td>
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Fine Arts

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<tr>
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<tr>
<td>ARHS 108</td>
<td>Women in Art</td>
<td>3</td>
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French, German, and Russian

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<tr>
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<th>Semester Hours</th>
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<tr>
<td>GRIN 297</td>
<td>Women in Russian Literature</td>
<td>3</td>
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History

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<tr>
<td>HIST 215</td>
<td>Women in American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 309</td>
<td>Feminist Ideas in Western Thought</td>
<td>3</td>
</tr>
<tr>
<td>HIST 334</td>
<td>Women in the Muslim World: A History of Representation</td>
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Human Ecology

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<tr>
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<tbody>
<tr>
<td>HECO 205</td>
<td>Women in Contemporary Society</td>
<td>3</td>
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Latin American and Latino Studies

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>LALS 205</td>
<td>Images and Identity: Representation of Latin American Women</td>
<td>3</td>
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Legal Studies

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<th>Semester Hours</th>
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<tbody>
<tr>
<td>LSLW 391</td>
<td>Women and the Law</td>
<td>3</td>
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Linguistics

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<tr>
<td>LINGN 255</td>
<td>Language and Gender</td>
<td>3</td>
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Music

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>MUS 404</td>
<td>Selected Topics in Music History</td>
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</tr>
<tr>
<td>RELG 104</td>
<td>Feminist Theology and Spirituality</td>
<td>3</td>
</tr>
<tr>
<td>RELG 207</td>
<td>Religious Texts in America: Women</td>
<td>3</td>
</tr>
<tr>
<td>RELG 267</td>
<td>Women in Religion</td>
<td>3</td>
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Political Science

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 214</td>
<td>Women in Politics</td>
<td>3</td>
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</tbody>
</table>

Psychology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>PSYC 265</td>
<td>Psychology of Women</td>
<td>3</td>
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Sociology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>SOCI 413</td>
<td>Selected Topic in Institutional Processes</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 414</td>
<td>Selected Topics in Applied Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 426</td>
<td>Sociology of Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 430</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
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</table>

Women's Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 302</td>
<td>Selected Topics in Women's Studies</td>
<td>3</td>
</tr>
<tr>
<td>WMST 401</td>
<td>Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>
Courses of Instruction

WMST 101
INTRODUCTION TO WOMEN'S STUDIES 3.0
A team of two or more faculty members from various disciplines, employing scientific, sociological, historical, and artistic insights, methods and data examines the sources and meanings of different treatments of women in this and other human societies.

WMST 102
WOMEN’S WORLDS 3.0
This course introduces the student to the broad and interdisciplinary field known as Women’s Studies. It is designed to make students aware of the new discoveries in feminist research and to focus on many aspects of the female experience. The course is designed to help students understand different methodologies in diverse disciplines and to treat areas such as literature, history, psychology, and the arts through a thematic approach. Cross listed in Psychology under PSYC 102. Meets the 1983 General Education Requirement (GER)–Contemporary Issues. Meets the Multicultural Awareness Requirement.

WMST 301
FEMINIST THEORY 3.0
This course examines a wide variety of feminist theories which illustrate the many ways in which issues of gender can be interpreted. Recognizing that gendered identities are molded by such factors as class, race, sexual orientation, and national identity, this course explores the issues of difference among women and the role of theory in conceptualizing such differences. 
Prerequisite: WMST 102 or PSYC 102.

WMST 302
SELECTED TOPICS IN WOMEN’S STUDIES 3.0
The exploration of a topic related to Women’s Studies which is either not covered in the curriculum or which deserves more in-depth treatment than is possible in an existing course. The specific topic will be announced each time the course is offered. May be repeated twice for a total of nine semester hours. 
Prerequisite: WMST 102 or PSYC 102.

WMST 401
INDEPENDENT STUDY 3.0
This course involves advanced research on a topic of particular interest to the student that goes beyond the scope of available courses in Women's Studies. Students are required to hand in an extensive paper documenting the results of their research. 
Prerequisite: WMST 102 or PSYC 102 and departmental approval.

WMST 402
SEMINAR IN WOMEN'S STUDIES 3.0
Each participant completes an individual project that is either (a) research on an approved topic or (b) a description and analysis of a long-term field experience. With a faculty facilitator, students discuss research strategies, issues, and work in progress. Meets the University Writing Requirement for WMST majors.
Prerequisites: WMST 102 or PSYC 102 and WMST 301 and 9 additional hours in Women’s Studies program. Junior standing.
INTERDISCIPLINARY MINORS

Montclair State University offers several interdisciplinary minors. An interdisciplinary minor provides students with the opportunity to investigate an area of interest from a number of perspectives. In some cases, interdisciplinary minors draw on a broad range of courses from several departments, as with African-American Studies and International Studies. In other cases, these programs build their curriculum from a specific set of departments, as with Archaeology, Cognitive Science, Criminal Justice, Film, and Latin American and Latino Studies.

In all cases, interdisciplinary programs provide students with a rich learning experience that draws on the strengths of more than one discipline. Students may complement their major with one of the interdisciplinary minors listed below. For interdisciplinary majors, see entries for General Humanities, Justice Studies, and Women's Studies major and minor (listed in the table of contents under the alphabetic listing of Academic Programs and Departments).

African-American Studies Minor
(18 semester hours)

Director: Sandra Y. Lewis

The undergraduate minor in African-American studies is an interdisciplinary academic program designed to be complementary to any of the undergraduate majors of Montclair State. The African-American and African syntheses within the context of African, American and European culture are presented with their transcultural, interethnic and intellectual traditions—providing an appreciation of the heritage, arts, sciences and values on non-European and non-Euro-American groups. The African-American Studies program will also provide for Black students a greater knowledge of self, self-respect and self-esteem. African-American Studies for other students will build knowledge and awareness of African-American history, African-American culture and African-American people. Students who are interested in completing the requirements of the minor are urged to consult with the director about their programs.

Effective Fall 2003: AFAM 100 Introduction to Black Studies will become a required course and RELG 106 African Religious Traditions will be added to the list of electives in the African-American Studies minor. This alteration increases the number of required semester hours in the program to nine semester hours and decreases the number of elective semester hours to six semester hours.

Required Courses (9 semester hours)  
AFAM 100 Introduction to Black Studies 3  
Select one of the following:  
HIST 108 Introduction to African Civilization 3  
HIST 217 History of Black Americans 3  
Select one of the following:  
PSYC 246 Psychology of the Black Experience 3  
SOCI 202 Racial and Ethnic Relations 3

Electives (9 semester hours)  
Select 9 semester hours from the following interdepartmental list:

Anthropology  
ANTH 170 Peoples of Africa 3

Classics and General Humanities  
GNHU 381 Africa in Classical Antiquity 3

Earth and Environmental Studies  
EUGS 412 Geography of Sub-Saharan Africa 3

Economics and Finance  
ECON 250 Selected Topics in Economics 3  
(ECON 405 Economic Development of Sub-Saharan Africa 3  
(When topic is: Marketing Processes and Minorities)  
ENGL 238 Black Writers in the United States: A Survey 3  
ENGL 493 Seminar in American Literature 3  
ENLT 366 African Myth and Literature 3  
(Final topic is: Richard Wright and Contemporaries)  
Arts  
ARHS 275 Afro-American Art 3  
ARHS 458 African Art: Sub-Saharan 3

History  
HIST 108 Introduction to African Civilization 3  
HIST 217 History of Black Americans 3

Human Ecology  
HEFM 445 The Inner City Family 3

Management  
MGMT 332 Minorities in Business 3

Music  
MUGN 150 Influence of Afro-American Culture on Music 3  
MUGN 209 Introduction to Jazz 3  
MUGN 250 Rap and Rock as Cultural Phenomenon 3

Philosophy and Religion  
RELG 106 African Religious Traditions 3  
RELG 108 African American Religious Experience 3  
RELG 250 Selected Study in World Religions 3  
(RELG 352 Selected Study in Religious Texts 3  
(When topic is: Religions of Africa)  
(RELG 352 Selected Study in Religious Texts 3  
(When topic is: African American Religious Leaders)  
Political Science  
POLS 204 Government and Politics of Africa 3  
POLS 312 Black Politics in America 3

Psychology  
PSYC 246 Psychology of the Black Experience 3

Sociology  
SOCI 202 Racial and Ethnic Relations 3  
SOCI 205 Black Family 3  
SOCI 311 Urban Sociology 3

Theatre and Dance  
DANCE 345 Dance Technique: Ethnic 3

Course of Instruction

AFAM 100  
INTRODUCTION TO BLACK STUDIES 3.0  
This course is designed: (1) to introduce and define the origins, relevance and scope of Black Studies and to discuss critically major challenges facing Black Studies; (2) to introduce and to delineate fundamental issues and areas for critical discussion in the discipline and the seven core areas of Black Studies (Black History, Black Religion, Black Social Organization, Black Politics, Black Economics, Black Creative Production, Black Psychology), as well as the emergence and development of Afrocentricity, Black Women’s Studies, Multicultural Studies, and Classical African Studies; and (3) to raise provocative questions about the Black experience which cultivate the use of and an appreciation for inquiry and analysis as indispensable tools to an effective grasp and critical discussion of Black Studies.

AFAM 207  
THE BLACK WOMAN: AN INTRODUCTORY COURSE 3.0  
This interdisciplinary course examines the lived experiences and contributions of women of African descent through analysis of social context and a variety of theoretical perspectives. The myths and realities of Black women’s experiences are explored chronologically and through literary contributions, social and political thought, and creative expression such as music and other media.
Archaeology Minor
(18 semester hours)

Coordinator: Timothy Renner

Jointly sponsored by the Anthropology, Classics and General Humanities, and Fine Arts departments, together with support from Earth and Environmental Studies, this program offers an interdisciplinary program in the study of ancient and other past cultures through the evidence of their material remains. The required coursework of the minor includes an overview of ancient cultures, archaeological procedures, and archaeological theory. Students are also encouraged to take course work in appropriate foreign languages and in those aspects of the natural and social sciences which aid in studying the material remains of cultures and in integrating this evidence into a broader understanding of human society.

Through programs sponsored by the University’s Center for Archaeological Studies, students have numerous excellent opportunities to participate in fieldwork as part of their coursework and/or preprofessional experience in archaeology. Currently, for instance, it is possible for students to develop basic fieldwork skills in surveying, excavating, mapping, and artifact analysis through projects directly run by the Center in New Jersey (for prehistoric and historical North American archaeology) and in Central America (for Maya culture). Students may also participate in archaeological fieldwork projects in the Mediterranean and in other regions, and they may develop expertise in geoarchaeology by working with faculty from the Department of Earth and Environmental Studies.

The Archaeology minor makes an excellent complement to any liberal arts or professional studies major. But more specifically, archaeology has recently become a subject of great interest to many people in the public at large, and students who go on to work in the media, in the travel industry, and in international business (to name only a few examples) can profit greatly from studying it. In addition, the need for archaeological impact studies for construction and historic preservation projects has created many new opportunities in applied archaeology, especially for students who also study anthropology and/or go on to graduate work in archaeology. Lastly, students who wish to do graduate work in archaeology in preparation for a career in teaching, research, or museum work will find the Archaeology minor to be excellent preparation, especially when combined with a major in an appropriate related area such as Anthropology, Classics, or Art History.

Required Courses (6 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 103</td>
<td>Prehistoric Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>GNHU 181</td>
<td>Introduction to Classical Archaeology</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (12 semester hours)

Group A (Select at least one):

- ANTH 215 Ancient Art ...........................................3
- ARHS 328 Survey of Greek Art ...............................3
- ARHS 457 Pre-Columbian, Oceanic, and African Art ...3
- ARHS 485 Ancient Art in Italy: Etruscan and Roman Art | 3

Group B (Select one to three):

- ANTH 270 Archaeology of Ancient Middle America .........3
- ANTH 370 Experimental Archaeology .......................3
- ANTH 470 Archaeological Field Methods ..................3
- GNHU 281 Greek Civilization ..................................3
- GNHU 282 Roman Civilization ..................................3
- GNHU 351 The City in Antiquity ................................3
- GNHU 361 Selected Topics in Mediterranean Archaeology | 3
- GNHU 362 Field Methods in Mediterranean Archaeology  | 3

Cognitive Science Minor

Coordinator: David J. Townsend

Cognitive Science is the interdisciplinary study of mind and intelligence. It uses the methods of computer science, linguistics, communication sciences, philosophy, and psychology to examine how the mind carries out intelligent behaviors such as:

- Understanding
- Speaking
- Planning
- Creating
- Reasoning
- Problem solving

The Cognitive Science minor addresses such questions as:

- What is consciousness?
- How did intelligence originate?
- How are languages stored in the brain?
- Can a computer that carries out a conversation with a human think and feel?


Changes in the minor are in progress and can be checked at www.chss.montclair.edu/psychology/cogscience.

Required Courses (11 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 220</td>
<td>Quantitative Methods in Psychology ..................4</td>
<td></td>
</tr>
<tr>
<td>PSYC 290</td>
<td>Introduction to Cognitive Science ....................3</td>
<td></td>
</tr>
<tr>
<td>PSYC 301</td>
<td>Experimental Psychology ..................................4</td>
<td></td>
</tr>
</tbody>
</table>

Electives (9 semester hours)

Students select three courses from outside their major. Electives must be from at least two departments. No more than one Psychology elective course counts toward the minor.

Computer Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>CMPT 183</td>
<td>Foundations of Computer Science I ....................3</td>
<td></td>
</tr>
<tr>
<td>CMPT 184</td>
<td>Foundations of Computer Science II .................3</td>
<td></td>
</tr>
<tr>
<td>CMPT 280</td>
<td>Assembly Language and Computer Architecture ........3</td>
<td></td>
</tr>
<tr>
<td>CMPT 285</td>
<td>Discrete Mathematical Structures ....................3</td>
<td></td>
</tr>
<tr>
<td>CMPT 287</td>
<td>Data Structures, File Structures and Algorithms ....3</td>
<td></td>
</tr>
<tr>
<td>CMPT 384</td>
<td>Systems Software ........................................3</td>
<td></td>
</tr>
<tr>
<td>CMPT 388</td>
<td>Foundations of Artificial Intelligence .............3</td>
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</table>

Linguistics

<table>
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<tr>
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<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>LNGN 300</td>
<td>Syntax ................................................................3</td>
<td></td>
</tr>
<tr>
<td>LNGN 301</td>
<td>Semantics ..................................................3</td>
<td></td>
</tr>
<tr>
<td>LNGN 302</td>
<td>Pragmatics ................................................3</td>
<td></td>
</tr>
<tr>
<td>LNGN 420</td>
<td>Language and Mind ........................................3</td>
<td></td>
</tr>
<tr>
<td>LNGN 445</td>
<td>Natural Language Processing ...........................3</td>
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Philosophy and Religion

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<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>PHIL 266</td>
<td>Philosophy of Science ....................................3</td>
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</tr>
<tr>
<td>PHIL 270</td>
<td>Philosophy of the Mind ..................................3</td>
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Psychology

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<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>PSYC 305</td>
<td>Physiological Psychology ................................3</td>
<td></td>
</tr>
<tr>
<td>PSYC 308</td>
<td>Perception .................................................3</td>
<td></td>
</tr>
<tr>
<td>PSYC 313</td>
<td>Cognition ..................................................3</td>
<td></td>
</tr>
<tr>
<td>PSYC 314</td>
<td>Psychology of Judgment and Decision Making ..........3</td>
<td></td>
</tr>
<tr>
<td>PSYC 340</td>
<td>Human Learning and Memory ................................3</td>
<td></td>
</tr>
<tr>
<td>PSYC 348</td>
<td>Psycholinguistics .........................................3</td>
<td></td>
</tr>
<tr>
<td>PSYC 490</td>
<td>Seminar in Cognitive Science ..........................3</td>
<td></td>
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Communication Sciences and Disorders

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSND 410</td>
<td>Neuro-psychological Bases of Communication ..........3</td>
<td></td>
</tr>
<tr>
<td>CSND 500</td>
<td>Speech and Language Acquisition .....................3</td>
<td></td>
</tr>
</tbody>
</table>
Criminal Justice Minor

Coordinator: David J. Dodd

This interdisciplinary minor offers students the opportunity to prepare for work in the Criminal Justice field. It is designed to provide students with the concepts and research methods needed for a successful career in criminal justice agencies and for graduate work in criminology and criminal justice. A minor in Criminal Justice is useful preparation for a career in police work, corrections, probation, parole, youth work, counselling, public and social service administration.

Required Courses (18 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 101</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 232</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 322</td>
<td>Juvenile Delinquency and Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 325</td>
<td>The Sociology of Police</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 353</td>
<td>Sociology of Corrections</td>
<td>3</td>
</tr>
<tr>
<td>LSPR 301</td>
<td>Criminal Law and Procedure</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (6-7 semester hours)

Two electives to be chosen from among the following (6-7 semester hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 230</td>
<td>Anthropology of Conflict and Violence</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Sociology of Conflict and Violence</td>
<td>3</td>
</tr>
<tr>
<td>JUST 240</td>
<td>Statistics for Social Research</td>
<td>4</td>
</tr>
<tr>
<td>LSPR 317</td>
<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>POLS 323</td>
<td>American Constitutional Law: Civil Rights and Liberties</td>
<td>3</td>
</tr>
<tr>
<td>LSLW 360</td>
<td>Rights, Liberties and American Justice (Legal Studies)</td>
<td>3</td>
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</tbody>
</table>

Psychology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 231</td>
<td>Psychology of Aggression</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 248</td>
<td>Psychology and Law</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 330</td>
<td>Forensic Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 365</td>
<td>Abnormal Psychology</td>
<td>3</td>
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</table>

Sociology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 203</td>
<td>Sociology of Organized Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 238</td>
<td>Research Methods in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 240</td>
<td>Statistics for Social Research</td>
<td>4</td>
</tr>
<tr>
<td>SOCI 321</td>
<td>White Collar Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 405</td>
<td>Deviance and Social Control</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Sociology of Law</td>
<td>3</td>
</tr>
</tbody>
</table>

Total number of semester hours: 24-25

Note: For students who prefer to include the study of Criminal Justice within their major, the university now offers a Justice Studies major with a concentration in Justice Systems. This program focuses on issues of justice from a multi-disciplinary perspective, incorporating Sociology, Legal Studies, and Psychology.

Film Minor

Film Minor

Coordinator: Janet Cutler

Film Production

Coordinator: Anthony Pemberton

An interdisciplinary program, designed for students in both the humanities and the fine arts, the Film Minor offers experience in filmmaking, as well as criticism, history, theory, and aesthetics.

Required Courses (6 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARFM 200</td>
<td>Film Making, Beginning I</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 208</td>
<td>Introduction to the Film</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Survey Courses (6 semester hours)

Students must select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENFL 250</td>
<td>Major Film Directors</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 255</td>
<td>World Film</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 260</td>
<td>Major Film Genres</td>
<td>3</td>
</tr>
</tbody>
</table>

Fine Arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARFM 210</td>
<td>Film Making, Beginning II</td>
<td>3</td>
</tr>
</tbody>
</table>

Specialized Courses (6 semester hours)

Students must select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENFL 208</td>
<td>Introduction to the Film</td>
<td>3</td>
</tr>
</tbody>
</table>

English

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENFL 310</td>
<td>Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 350</td>
<td>Three Directors</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 356</td>
<td>The Contemporary Film</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 357</td>
<td>American Film 1945</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 358</td>
<td>American Film 1945 to the Present</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 360</td>
<td>Film Comedy</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 410</td>
<td>Screenwriting II</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 490</td>
<td>Special Topics in Film Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENFL 496</td>
<td>Seminar on Film</td>
<td>3</td>
</tr>
</tbody>
</table>

Fine Arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARFM 220</td>
<td>Video with Computer Multi-media, Introduction A</td>
<td>3</td>
</tr>
<tr>
<td>ARFM 280</td>
<td>Film as Art: Historical and Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ARFM 300</td>
<td>Film Making, Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>ARFM 400</td>
<td>Film Making, Advanced</td>
<td>3</td>
</tr>
</tbody>
</table>

French, German, and Russian

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>FRIN 286</td>
<td>French Film</td>
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Spanish/Italian

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL 276</td>
<td>The Italian Cinema</td>
<td>3</td>
</tr>
</tbody>
</table>
International Studies Minor
(21 Semester Hours)

Director: Benjamin Hadis

The purpose of this interdisciplinary minor is to provide students with an education that broadens their knowledge of the people of the world, international events, and the socio-economic and socio-political background to global affairs. To do this, it integrates area studies and the study of international problems viewed from a cross disciplinary perspective. New curricular efforts, including global perspectives in issues-oriented courses, are emphasized.

This minor provides a splendid foundation for careers in which an understanding of international economic, political, social, and cultural affairs is of importance; it also provides a foundation for graduate work in the field; and is an excellent complement to majors in the humanities, social sciences, arts, and business.

Required Courses (6 semester hours)

Basic Core Requirements Semester Hours
INTL 100 Introduction to Global Issues ..................................................3
INTL 400 Integrative Seminar in International Studies ..........................3

Language Component (3 semester hours)

In addition to the six hours of an international language required by the university's General Education curriculum, students must take at least three additional semester hours in the same language. Students who demonstrate advanced level competency will be waived from this requirement.

Electives (12 semester hours)

Select twelve semester hours from the following list which may also be obtained from the director of the program or at:
www.chhs.montclair.edu/~hadish/minor.htm

These electives will include six semester hours in Area Studies courses that focus on the same regional area of studies: Africa, Asia, Europe, Latin America and Caribbean, or the Middle East. Three of these semester hours must be in Culture and Artistic Expression; and three semester hours in Area Studies courses must be taken in Social and Political Structures; and three semester hours each in Global Issues courses and three semester hours in courses with international focus.

All elective courses retain their prerequisites, corequisites, and restrictions (as applicable). Only the departments offering a course can issue exemptions from its corresponding restrictions or prerequisites. No more than six credits can be taken as electives from one alpha code.

AREA STUDIES COURSES: Culture and Artistic Expression
(3 semester hours)

Anthropology
ANTH 115 Cultures of the Middle East..............................................3
ANTH 130 Cultures of Southeast Asia ..............................................3
ANTH 150 Native Latin Americans..................................................3
ANTH 170 Peoples of Africa..............................................................3

Art and Design
ARHS 327 History of Oriental Art......................................................3
ARHS 328 Survey of Greek Art............................................................3
ARHS 452 Renaissance Art in Italy: The Sixteenth Century .............3
ARHS 458 African Art: Sub-Saharan..................................................3

Classics and General Humanities
GNHU 217 Reading Asian Cultures....................................................3
GNHU 289 Francophone Film..............................................................3
GNHU 293 Russian Culture and Civilization......................................3

English
ENLT 349 Contemporary Irish Literature...........................................3
ENLT 367 Contemporary African Literature.......................................3

French, German, and Russian
FREN 145 Introduction to French Culture........................................3
FRIN 145 Introduction to French Culture..........................................3
FREN 286 French Film ........................................................................3
FREN 289 Francophone Film .............................................................3
FREN 304 French Civilization 19th and 20th Centuries....................3
FREN 340 Survey of French Poetry.....................................................3
FREN 349 Francophone Literature....................................................3
FREN 360 French Perspectives............................................................3
FREN 375 French Study Abroad..........................................................3
GERM 351 German Civilization I..........................................................3

GERM 360 Modern German Prose Fiction ...........................................3
GRIN 250 Selected Topics in German Literature and Culture .............3
GRIN 260 Selected Topics in German or Russian Culture and Civilization ..................3
GRIN 293 Russian Culture and Civilization........................................3
GRIN 295 German Expressionism .......................................................3
GRIN 297 Women in Russian Literature............................................3

Latin American and Latino Studies
LALS 201 Perspectives on Latin America..........................................3
LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction ..................................................3

Philosophy and Religion
PHIL 237 Asian Philosophy..............................................................3
RELG 106 African Religious Traditions............................................3
RELG 213 Buddhism ..........................................................................3
RELG 214 Classical Texts of Asian Religions.................................3
RELG 215 Hinduism ...........................................................................3
RELG 216 Islamic Religious Traditions.............................................3
RELG 217 Taoism .................................................................................3
RELG 256 Religion in Latin America................................................3
RELG 273 The Holocaust: Religious Perspectives..........................3

Spanish/Italian
ITAL 276 The Italian Cinema..............................................................3
ITAL 281 Contemporary Italian Cultural Studies..............................3
ITAL 351 Italian Literature of 20th Century I ..................................3
ITAL 352 Italian Literature of 20th Century II..................................3
ITAL 360 Italian Cultural History......................................................3

SPAN 441 Spanish Novel of the 20th Century..................................3
SPAN 446 Spanish American Essayists.........................................3
SPAN 447 Contemporary Spanish American Short Story..............3

Earth and Environmental Studies
EUGS 207 Geography East and Southeast Asia...............................3
EUGS 208 Land and Life in Latin America.......................................3
EUGS 412 Geography of the Sub-Sahara Africa............................3
EUGS 413 Geography of the Middle East........................................3

Economics and Finance
ECON 405 Economic Development of Sub-Saharan Africa ............3

History
HIST 105 Emergence of European Civilization, 1500-1914.............3
HIST 106 Contemporary Europe, 1914 to the Present....................3
HIST 108 Introduction to African Civilization.................................3
HIST 109 Introduction to Islamic Civilization................................3
HIST 114 Early Latin American Civilization..................................3
HIST 115 History of Puerto Rico.......................................................3
HIST 128 Late-Moder Japan: A History of Japan from the Meiji Restoration...........................................3
HIST 129 Modern Japan: A History of Japan from the Meiji through the Showa........3
HIST 131 Introduction to Indian Civilization..............................3
HIST 132 Introduction to Chinese Civilization...............................3
HIST 133 Modern Chinese Civilization...........................................3
HIST 222 Economic History of Europe............................................3
HIST 223 Communist Revolution in China......................................3
HIST 323 History of Russia to 1917..................................................3
HIST 324 Russia Since 1917...............................................................3
HIST 326 Modern German History..................................................3
HIST 328 Conflict in Modern Ireland...............................................3
HIST 330 Chinese Social History through Literature....................3
HIST 331 History of England, 1714-1914........................................3
HIST 332 Medieval European Civilization......................................3
HIST 333 History of Brazil.................................................................3
HIST 334 Women in Muslim World.................................................3
HIST 416 Church and State in Latin America..............................3
HIST 426 The Nazi Third Reich........................................................3
HIST 427 The Holocaust 1939-1945.................................................3
HIST 430 Revolutions in Latin American History............................3
HIST 431 Development of Indian Character and Culture..............3
HIST 432 Development of Japanese Character and Culture...........3

Political Science
POL 204 Government and Politics of Africa................................3
POL 206 Government and Politics of China and Japan..................3
POL 316 Contemporary Western European Politics......................3
POL 404 Government and Politics of India and South Asia...........3
Courses of Instruction

INTL 100
INTRODUCTION TO GLOBAL ISSUES 3.0
This course is designed to offer students an opportunity to study, in a cross-cultural context, a number of topics which are of a global nature and affect humanity in profound ways and which may influence the evolution of world trends.

INTL 400
INTEGRATIVE SEMINAR IN INTERNATIONAL STUDIES 3.0
Directed research and preparation of seminar reports and written papers on topics which utilize comparative as well as interrelated approaches to international and global issues and themes.

Prerequisites: Program director's approval.

INTL 401
STUDY ABROAD 6.0-12.0
Actual courses of instruction are those offered by institutions taking part in Montclair State’s study abroad or student exchange programs. Students participating in the program will select, in advance, the courses by consulting with the study abroad advisor, their academic advisors, and the coordinator of the overseas program at the host institution.

Prerequisites: Study abroad advisor's approval.
Latin American and Latino Studies Minor

**Director:** Pamela Smorkaloff

The Latin American and Latino Studies Program (LALS) is an interdisciplinary program that allows students to explore the rich heritage and contemporary trends of Latin-based cultures in the United States and beyond.

Many students in the program are heritage speakers of either Spanish or Portuguese. However, anyone able to demonstrate proficiency in Spanish or Portuguese is eligible to become an LALS student. Students may pass a language proficiency test or complete two semesters (six credits) in one of the above languages. The last option meets the General Education Requirement for foreign language. Language study is not counted toward credits for the minor.

Latin American and Latino Studies students greatly benefit from study abroad opportunities, although study abroad is not a requirement. Students interested in taking advantage of this option must make arrangements through MSU's Office of International Studies. Students must work with an LALS advisor to select courses and determine methods of evaluation. As many as four courses from the study abroad experience may be used to complete the LALS minor (again, with the exception of language courses). If the student decides to study abroad, the capstone course for the minor, LALS 401, must be taken after the study abroad experience.

**Required Courses (6 semester hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>LALS 201</td>
<td>Perspectives on Latin America</td>
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</tr>
<tr>
<td>LALS 401</td>
<td>Capstone Course in Latin America and Latino Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives (12 semester hours)**

Select 12 semester hours (four courses) of electives from the interdepartmental list below. These four elective courses will be completed in at least two different academic departments. Courses will be selected with the help and approval of a program advisor so the selection reflects a cohesive structure that is articulated to the student's major concentration.

**Anthropology**

ANTH 150 Native Latin Americans ...........................................3

**Earth and Environmental Science**

EUGS 208 Land and Life in Latin America .................................3

**Economics and Finance**

ECON 250 Selected Topics in Economics .....................................3  
 (*Topic must be: Economics of Latin America and the Caribbean*)

**History**

HIST 114 Early Latin American Civilization ................................3  
HIST 115 History of Puerto Rico ..................................................3  
HIST 116 Modern Latin American Civilization ...............................3  
HIST 333 History of Brazil ..........................................................3  
HIST 416 Church and State in Latin America .................................3  
HIST 430 Revolutions in Latin American History ............................3

**Latin American and Latino Studies**

LALS 205 Image and Identity: Representation of Latin American Women in Film and Fiction .................................................................3

**Legal Studies**

LSPR 316 Skills for Bilingual Legal Personnel ..............................3

**Philosophy and Religion**

RELG 256 Religion in Latin America .............................................3

**Political Science**

POLS 405 Government and Politics of Latin America .......................3

**Spanish and Italian** (Courses taught in Spanish)

SPAN 376 Spanish American Cultural History ..............................3

**Courses of Instruction**

LALS 201  
**PERSPECTIVES ON LATIN AMERICA**  3.0  
A multidisciplinary course: emphasis on anthropological, political, economic, cultural, and historical issues. Assume that the "Americas" are a geographical and cultural unit whose apparent diversity represents various indigenous peoples with an overlay of European patterns of colonialism, including slavery. Meets the Multicultural Awareness Requirement.

LALS 205  
**IMAGE AND IDENTITY: REPRESENTATION OF LATIN AMERICAN WOMEN IN FILM AND FICTION**  3.0  
An analysis of representations of Latin American women in film and fiction with a special focus on the process of identity construction. Representations of women from pre-Colombian times to the present will be studied in relation to their use in the perpetuation of ideologies. Intended as an overview of the social history of women in Latin America, the course may be taken as an elective, as part of the Latin American and Latino Studies minor, the Women's Studies major, or the Women's Studies minor. Meets the 1983 General Education Requirement (GER)–Social Science, Non-Western Cultural Perspectives. Meets the Multicultural Awareness Requirement.

LALS 290  
**SELECTED TOPICS IN LATIN AMERICAN AND LATINO STUDIES**  3.0  
Study of selected topics and problems in Latin American and Latino Studies. Topics announced each semester.

LALS 401  
**CAPSTONE COURSE IN LATIN AMERICAN AND LATINO STUDIES**  3.0  
Involves intensive reading, field work and research that focuses on a specific area of Latin American and Latino Studies. Topic must be selected by the instructor; may be a more advanced and centered treatment of a lower level course. **Prerequisite:** LALS 201.
OTHER PROGRAMS

Combined Programs

Bachelor of Science/Doctor of Dental Medicine Degree Programs

Montclair State and the University of Medicine and Dentistry of New Jersey - New Jersey Dental School (UMDNJ-NJDS) offer a combined program leading to the Bachelor of Science degree at Montclair State and the Doctor of Dental Medicine (D.M.D.) degree at UMDNJ. Its purpose is to permit highly qualified high school students to complete the required courses for baccalaureate and dental degrees in a seven-year sequence.

This program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study at UMDNJ. Qualified high school seniors and first-year students at Montclair State may apply; admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade point average, rank-in-class, and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores must also be submitted.

A student accepted into this program is assured of a place in the dental school once he or she has successfully completed the requirements of the three-year program at Montclair State and submitted a satisfactory Dental Admissions Test (DAT) score.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the dental program.

The program of study at Montclair State requires the completion of pre-dental and Montclair State graduation requirements. A minimum grade of B in each of the science courses is required. Further, all Montclair State curriculum requirements for graduation must be completed, with a cumulative grade point average of 3.00 or better, in order to continue in the combined program.

A seven-year combined Bachelor of Science/Doctor of Dental Medicine (B.S./D Pharm. D.) degree program is offered with the Ernest Mario School of Pharmacy at Rutgers University (New Brunswick), MSU Biology, Molecular Biology, Chemistry or Biochemistry majors, after completing three years of prescribed courses at MSU, can progress to the Professional Phase of the Doctor of Dental Medicine Program at Rutgers. After completion of the first professional year at Rutgers, a B.D.M.D. degree in Biology, Molecular Biology, Chemistry or Biochemistry is awarded by MSU. After completion of the seventh year (three years at MSU and four years at Rutgers, the Doctor of Dental Medicine is awarded by Rutgers University. Entrance to the program is by competitive application, and successful progress requires a minimum grade point average (GPA) in prescribed courses. For additional information, call 973-655-5140 or log on http://www.csam.montclair.edu/BS_PharmD.html

Bachelor of Science/Doctor of Pharmacy Degree Program

A seven year combined Bachelor of Science/Doctor of Pharmacy (B.S./Pharm. D.) degree program is offered with the University of Medicine and Dentistry of New Jersey. Montclair State and the University of Medicine and Dentistry of New Jersey's New Jersey Medical School (UMDNJ-NJMS) offer a combined program leading to the Bachelor of Science degree at Montclair State University and the Doctor of Pharmacy degree at UMDNJ. Each student is assured of a place in the medical school upon successful completion of the seven-year sequence.

This program requires three years of full-time study at Montclair State in an approved accelerated major program, followed by four years of full-time study in the Medical Education Program at UMDNJ-NJMS. Qualified high school seniors whose SAT combined verbal and mathematical scores are 1400 or higher in one test sitting may apply. Deadline for application is December 1. Admission is limited to citizens or permanent residents of the United States who have satisfied secondary school requirements in English, mathematics, biology, chemistry and physics. Of importance in evaluating an applicant's credentials are his/her high school grade point average, rank-in-class (first 10%), and letters of recommendation from high school teachers. College Board SAT verbal and mathematical scores of at least 1400 from a single test administration must also be submitted.

All students accepted into the Seven-Year Program must enroll in the Honors Program at Montclair State. Each selected student is assured of a place in the medical school once he or she has successfully completed the requirements of the program at Montclair State.

The undergraduate degree from Montclair State for those in the Seven-Year Program will be bestowed on each student after successful completion of the first year of the medical program.

This program is available for qualified students who plan to major in one of the following at Montclair State: Biology, Molecular Biology, Computer Science, Mathematics, Chemistry, Biochemistry, Psychology or Anthropology. The program of study includes a minimum of one year of Biology, General Chemistry, Organic Chemistry and Physics. A minimum grade of B in each of the required science courses is required. Further, all Montclair State curricular requirements for graduation, including the completion of requirements for an honors degree and the Pharmacy degree, must be completed with a cumulative grade point average of 3.40 or better in order to continue in the combined program.

The deadline to submit applications for the Seven-Year Program is December 1.

For more information about the Seven-Year Program, contact the director of the Honors Program at 973-655-7374, or the chairperson of the Biology and Molecular Biology Department at 973-655-4397.

Bachelor of Science/Doctor of Physical Therapy Degree Program

A six year combined B.S./DPT program, offered with the University of Medicine and Dentistry of New Jersey is composed of three years of undergraduate study at Montclair State and three years of study in the professional phase of the Doctor of Physical Therapy Program at UMDNJ. During the three years at Montclair State, the student must successfully complete the General Education requirements and a specific science curriculum. After the completion of the first (graduate) year at UMDNJ, the student receives the Bachelor of Science degree in Biology from Montclair State University.

Qualified biology/molecular biology majors who are currently enrolled at Montclair State may apply. Acceptance into the Physical Therapy program is determined by UMDNJ. All applicants are selected on the basis of the following minimum criteria: Graduate Record Exam; minimum GPA of 3.0 overall and in the major; two volunteer or work experiences in two different physical therapy settings; three letters of recommendation; evidence of community service; essay; and an interview (to be conducted by an Admission Committee at UMDNJ).

Applicants are expected to have basic computer literacy, including file management, use of word processing and spreadsheet programs, use of e-mail and the Internet.

Application deadline: December 1 of junior year. Program begins August 1.

For more information, call 973-655-4397 or log on: http://www.csam.montclair.edu/biology/bioweb/links/articulations.html
Bachelor of Science/Master of Physician Assistant Degree Program

A six year combined B.S./M.P.A. program, offered with the University of Medicine and Dentistry of New Jersey is composed of three years of undergraduate study at Montclair State and three years of study in the professional phase of the Master of Physician Assistant Program at UMDNJ. During the three years at Montclair State, the student must successfully complete Gen Ed 2002 requirements and a specific science curriculum. After the completion of the first (graduate) year at UMDNJ, the student receives the Bachelor of Science degree in Biology from Montclair State University.

Qualified biology/molecular biology majors who are currently enrolled at Montclair State may apply. Acceptance into the Physician Assistant program is determined by UMDNJ. All applicants are selected on the basis of the following minimum criteria: direct patient care experience; volunteer experiences with a Physician Assistant; minimum GPA of 3.0 overall and in the major; an interview (to be conducted by an Admissions Committee at UMDNJ).

Applicants are expected to have basic computer literacy, including file management, use of word processing and spreadsheet programs, use of e-mail and the internet.

Application deadline: June 1 of sophomore year. For more information, call 973-655-4397 or log onto http://www.csam.montclair.edu/biology/bioweb/links/articulations.html

Experiential Education Courses and Programs

The Center for Community-Based Learning

The Center for Community-Based Learning was established in January 2001 to focus a major part of its teaching and research on critical service priorities identified by local communities. A distinguishing feature of the Center is the strength and integrity of its two Programs, Cooperative Education and Service-Learning. Through these Programs, the Center offers students applied learning opportunities that foster personal and professional growth.

Within the University curriculum there are work-based and service-based courses designed to prepare students for professional and civic engagement. Arranged and monitored by faculty and staff, students go off-campus to experience applied learning in community settings, businesses, and not-for-profit organizations.

The Cooperative Education Program

Purpose

The Cooperative Education Program is designed to help students explore career options and develop the professional skills and competencies needed for career success. The integration of a supervised internship into a course of study better prepares a student to make informed career choices and manage a career after graduation. Students enrolled in the Program have exposure to emerging technology and the culture of the workplace while also improving their ability to learn in a self-directed manner.

Eligibility

Application to the Program is limited to degree-seeking students from all majors who have earned 30 credits and a 2.00 grade point average or better. Students who transfer into MSU without a degree must have earned 9 credits at MSU prior to enrollment. Students who transfer into MSU with an associate or bachelor’s degree do not need to have any credits earned at MSU to participate in the Program. Some affiliated academic departments have additional requirements that are described in each of the departmental co-op course descriptions.

Obtaining a Co-op Position

The Cooperative Education Program maintains a network of participating employers in business, laboratories, government and the social service sector. Students work with professional staff to prepare a resume that is submitted to potential employers, who then select candidates and make final hiring decisions.

A Supervised Learning Experience

The Cooperative Education Program affiliates with employing organizations that provide opportunities for learning. Every effort is made to structure the work experience to maximize student growth and development. Faculty and employment supervisors provide guidance and written feedback to the student during their co-op semester.

Course Credit

Within the undergraduate program, students may earn up to 16 credits from a combination of co-op courses over a period of three or four semesters. Credit is earned for each semester of participation, including the summer term. The number of credits earned ranges from 3 to 9, depending upon the duration of the internship and the academic department. Throughout the course of their undergraduate careers, students may take multiple internships in a single setting or with different employing organizations.

A faculty advisor is assigned to each student after they enroll in a co-op course. The student and faculty advisor develop a Learning Agreement that forms the basis for the grade. During the co-op semester many faculty advisors require on-campus seminars to explore work-related challenges and emerging insights about career development issues.
Advance Planning for Enrollment

The Cooperative Education Program seeks to provide eligible students with the maximum benefits of participation. Preparation workshops, counseling, resume approval, and an offer by an employer are required before enrollment in a co-op course. Permission to enroll in a co-op course is arranged by a professional staff member affiliated with the Program. Once permission is obtained, students register during designated registration windows. Students are urged to apply to the Program at least four months before enrollment is desired in order to adequately prepare for employment interviews. A Policy and Procedures Handbook is provided to each applicant.

Location

The Cooperative Education Program is located in Morehead Hall, third floor, telephone: 973-655-4426, website: www.montclair.edu/pages/cooperativeed.

Cooperative Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>COED 201</td>
<td>Community-Based Learning</td>
<td>1.0-3.0</td>
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<tr>
<td>COED 403</td>
<td>Cooperative Education-Experience 1</td>
<td>3.0-8.0</td>
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<tr>
<td>COED 402</td>
<td>Cooperative Education-Experience 2</td>
<td>3.0-8.0</td>
</tr>
<tr>
<td>COED 403</td>
<td>Cooperative Education-Experience 3</td>
<td>3.0-8.0</td>
</tr>
<tr>
<td>COED 404</td>
<td>Cooperative Education-Experience 4</td>
<td>3.0-8.0</td>
</tr>
<tr>
<td>BIOL 409</td>
<td>Externship in Biological Research</td>
<td>1.0-4.0</td>
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<tr>
<td>CMPT 499</td>
<td>Cooperative Education in Computer Science</td>
<td>3.0-8.0</td>
</tr>
<tr>
<td>ENWR 301</td>
<td>Cooperative Education (English)</td>
<td>4.0-8.0</td>
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<tr>
<td>FINC 491</td>
<td>Cooperative Education-Finance</td>
<td>3.0-8.0</td>
</tr>
<tr>
<td>FREN 380</td>
<td>Cooperative Education for the French Major</td>
<td>4.0-8.0</td>
</tr>
<tr>
<td>GNHU 401</td>
<td>Cooperative Education for the Liberal Arts</td>
<td>4.0-8.0</td>
</tr>
<tr>
<td>INDS 460</td>
<td>Cooperative Industrial Internship</td>
<td>4.0-8.0</td>
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<tr>
<td>INFO 230</td>
<td>Introduction to Business Work Experience</td>
<td>3.0-6.0</td>
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<tr>
<td>ITAL 385</td>
<td>Cooperative Education (Italian)</td>
<td>4.0-8.0</td>
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<tr>
<td>LSLW 498</td>
<td>Cooperative Education: Pre-law Studies</td>
<td>4.0-8.0</td>
</tr>
<tr>
<td>PEML 498</td>
<td>Cooperative Education: Paralegal Studies</td>
<td>4.0 or 8.0</td>
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<tr>
<td>JUST 498</td>
<td>Senior Seminar and Field Experience in Justice Studies</td>
<td>3.0-6.0</td>
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<tr>
<td>MKTG 399</td>
<td>Business Work Experience II</td>
<td>3.0-6.0</td>
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<tr>
<td>PCOM 391</td>
<td>Cooperative Education in Psychology</td>
<td>4.0-9.0</td>
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<tr>
<td>PEMI 381</td>
<td>Internship in Physical Education</td>
<td>8.0</td>
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<td>PEMI 381</td>
<td>Cooperative Education in Physical Education</td>
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<tr>
<td>PERL 381</td>
<td>Cooperative Education in Recreation and Parks</td>
<td>4.0-8.0</td>
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<td>SOCI 390</td>
<td>Cooperative Education in Sociology</td>
<td>3.0-4.0</td>
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<tr>
<td>SPAN 385</td>
<td>Cooperative Education (Spanish)</td>
<td>4.0-8.0</td>
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</tbody>
</table>

The Service Learning Program

Purpose

Service-Learning is an approach to education that integrates service to the community with academic course work. Reflection exercises are used to foster civic responsibility. Student learning is enhanced through first-hand experiences with issues of literacy, aging, the digital divide, adolescents at-risk, substance abuse prevention and peer mediation/conflict resolution.

Enrollment

Enrollment into the Service-Learning Program is open to undergraduate and graduate students. Courses are identified by a standard note “SL” in the Schedule of Courses booklet. Students can register for a designated service-learning course during the University-wide registration period.

Supervision

Every effort is made to structure the service-learning experience to maximize student growth and development. Faculty and community supervisors provide guidance and written feedback to students throughout their service-learning semester.

Location

The Service-Learning Program is located in Morehead Hall, third floor, telephone: 973-655-7203.

Department Sponsored Experiential Education Courses*

There are numerous courses offered through academic departments within the Colleges and Schools of the University.

To enroll in a department-sponsored course, a student should consult with her/his academic advisor and department chair.

*See specific department section of this catalog for a description of department-sponsored Experiential Education Courses.

College of Education and Human Services

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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<tr>
<td>HLTH 350</td>
<td>Field Study in Health</td>
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<tr>
<td>PEMI 379</td>
<td>Internship in Athletic Training</td>
<td>4.0</td>
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<tr>
<td>PERL 271</td>
<td>Clinical Experiences in Therapeutic Recreation</td>
<td>1.0</td>
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<tr>
<td>PERL 285</td>
<td>Field Experience in Recreation and Parks</td>
<td>2.0-4.0</td>
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<td>PERL 489</td>
<td>Internship</td>
<td>12.0</td>
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<tr>
<td>HECD 409</td>
<td>Internship in Home Economics</td>
<td>8.0-12.0</td>
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<tr>
<td>HEFD 252</td>
<td>Quantity Food Purchasing and Production</td>
<td>2.0</td>
</tr>
<tr>
<td>HENH 489</td>
<td>Externship in Food and Nutrition</td>
<td>2.0</td>
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College of Humanities and Social Sciences

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 470</td>
<td>Archeological Field Methods</td>
<td>3.0-6.0</td>
</tr>
<tr>
<td>ANTH 490</td>
<td>Internship in Anthropology</td>
<td>3.0-6.0</td>
</tr>
<tr>
<td>HIST 443</td>
<td>Internship in History</td>
<td>3.0</td>
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<tr>
<td>LINGN 430</td>
<td>Field Methods (Linguistics)</td>
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<tr>
<td>LSLW 497</td>
<td>Pre-law Seminar and Internship</td>
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</tr>
<tr>
<td>LSPPR 497</td>
<td>Paralegal Seminar and Internship</td>
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</tr>
<tr>
<td>LSPPR 499</td>
<td>Selected Topics in Paralegal Studies</td>
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</tr>
<tr>
<td>POPS 420</td>
<td>Seminar and Internship in Political Science</td>
<td>4.0</td>
</tr>
<tr>
<td>POPS 426</td>
<td>Seminar and Internship Public Administration I</td>
<td>4.0</td>
</tr>
<tr>
<td>POLS 306</td>
<td>Campaign Politics</td>
<td>3.0</td>
</tr>
<tr>
<td>PCOM 385</td>
<td>Advanced Community Psychology: Externship</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>The Teaching of Psychology</td>
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<tr>
<td>SPAN 360</td>
<td>Hispanic Community Program</td>
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</tr>
<tr>
<td>SPAN 481</td>
<td>Field Work - Hispanic Community I</td>
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</tr>
<tr>
<td>SPAN 482</td>
<td>Field Work - Hispanic Community II</td>
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<tr>
<td>SPAN 483</td>
<td>Field Work - Hispanic Community III</td>
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College of Science and Mathematics

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EUGS 463</td>
<td>Internship (Earth and Environmental Studies)</td>
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School of the Arts

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<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>BPCS 490</td>
<td>Internship: Broadcasting</td>
<td>4.0-16.0</td>
</tr>
<tr>
<td>DNCE 490</td>
<td>Internship in Dance</td>
<td>4.0-15.0</td>
</tr>
<tr>
<td>SPCM 490</td>
<td>Internship: Communication Studies</td>
<td>4.0-16.0</td>
</tr>
<tr>
<td>TTHTR 407</td>
<td>Internship: Design/Technical Theatre</td>
<td>4.0-12.0</td>
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<tr>
<td>TTHTR 490</td>
<td>Internship in Theatre</td>
<td>4.0-16.0</td>
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<tr>
<td>ARG 441</td>
<td>Externship in Studio</td>
<td>2.0-8.0</td>
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<tr>
<td>ARG 480</td>
<td>Field Trip in Studio</td>
<td>2.0-8.0</td>
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<tr>
<td>ARHM 460</td>
<td>Externship in Museum Studies</td>
<td>2.0-8.0</td>
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<tr>
<td>ARHS 480</td>
<td>Field Trip in Art History</td>
<td>2.0-8.0</td>
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<tr>
<td>MUTH 465</td>
<td>Internship in Music Therapy</td>
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School of Business

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>BEOS 330</td>
<td>Office Systems Administration Professional Work Experience Program</td>
<td>3.0-6.0</td>
</tr>
<tr>
<td>DIST 456</td>
<td>Honors Program-Executive Retail Training</td>
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<tr>
<td>GGMT 392</td>
<td>Business Internship</td>
<td>1.0-3.0</td>
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<tr>
<td>GGMT 491</td>
<td>Small Business Institute</td>
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<tr>
<td>MKAD 392</td>
<td>International Business Internship</td>
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<tr>
<td>MKCTG 348</td>
<td>Merchandise Information</td>
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<tr>
<td>MKCTG 351</td>
<td>Supervised Work Experience and Seminar I</td>
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<tr>
<td>MKCTG 399</td>
<td>Business Work Experience II</td>
<td>3.0-6.0</td>
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<tr>
<td>MKCTG 451</td>
<td>Supervised Work Experience and Seminar II</td>
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<tr>
<td>MKCTG 490</td>
<td>Marketing Internship</td>
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</tr>
<tr>
<td>MKCTG 491</td>
<td>Marketing Co-op</td>
<td>1.0-8.0</td>
</tr>
</tbody>
</table>
Courses of Instruction

COED 201
COMMUNITY-BASED LEARNING  1.0-3.0
The course is offered to students engaging in community-based learning. It provides the opportunity for students to participate, observe, reflect, and synthesize the experience. It will advance civic and professional development of students through practical experience in the local and business community.

COED 401
COOPERATIVE EDUCATION EXPERIENCE I  3.0-8.0
Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.
Prerequisites: Determined by individual academic departments.

COED 402
COOPERATIVE EDUCATION EXPERIENCE II  3.0-8.0
Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.
Prerequisites: Determined by individual academic departments.

COED 403
COOPERATIVE EDUCATION EXPERIENCE III  3.0-8.0
Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.
Prerequisites: Determined by individual academic departments.

COED 404
COOPERATIVE EDUCATION EXPERIENCE IV  3.0-8.0
Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.
Prerequisites: Determined by individual academic departments.

Health Careers Program

Director: Donna Lorenzo

The Health Careers Program (HCP), funded jointly by MSU and the NJ Educational Opportunity Fund, provides opportunities for highly motivated and academically capable students from financially and educationally groups underrepresented in the health professions and the sciences, to complete undergraduate studies at Montclair State University and compete for admission to health professions and graduate schools. During the Pre-Freshman Summer Program, HCP provides formal course work and comprehensive supportive services, such as tutoring, collaborative learning and recitation sessions, academic advisement, counseling, lectures, field trips and financial assistance. Upper-class HCP students participate in preceptorships, summer externships, research activities, and other field experiences.

Articulation Agreements and Partnerships

Eight-Year BS/MD Combined Articulation Program
The Eight-Year BS/MD Combined Program is an articulation program between the University of Medicine and Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS) and the Health Careers Program at Montclair State University (MSU), which results in the granting of a Baccalaureate degree from MSU and a Doctor of Medicine degree from UMDNJ-NJMS. While at MSU, students complete four years of full-time study in an approved honors program, receive comprehensive support services and participate in summer and academic year enrichment activities. Upon successful completion of program requirements at MSU, students automatically advance to the medical school.

Eight-Year BS/DMD Combined Articulation Program
The Eight-Year BS/DMD Combined Program is an articulation agreement similar to the Eight-Year BS/MD Combined Program. The Eight Year BS/DMD combined agreement is between the University of Medicine and Dentistry of New Jersey-New Jersey Dental School (UMDNJ-NJDS) and the Health Careers Program at Montclair State University. A Baccalaureate degree from MSU and a Doctor of Dental Medicine in Dentistry degree from UMDNJ-NJDS is granted. Students commence the program by completing four years of full time study at MSU, majoring in biology, molecular biology, chemistry and/or biochemistry while participating in summer and academic year enrichment activities. Upon completion of program requirements at MSU, students automatically advance to the New Jersey Dental School.

Medical Academic Advancement Program (MAAP)
Montclair State University participates in the Medical Academic Advancement Program (MAAP) consortium with the University of Virginia School of Medicine. The purpose of the consortium is to increase the number of disadvantaged students who are accepted into the University of Virginia School of Medicine, and other medical schools, HCP students participate in an intensive six-week summer program enrolled in biology, chemistry, physics, quantitative relationships, reading and essay printing courses. These courses prepare students for the Medical College Aptitude Test (MCAT). Other benefits include clinical or research laboratory experiences, under the supervision of faculty mentors; lectures on clinical medicine and biomedical research topics, academic advisement and information about and assistance with the medical school application process.

For information regarding the Health Careers Program, the Combined Eight-Year BS/MD and BS/DMD Articulation Agreement, or MAAP, please call 973-655-4415 or visit the HCP Office located in Science Hall, Room 130.
Honors Program

Director: David Nichols

The Honors Program provides a core of academic excellence, stimulates a sense of community, and establishes a lively and creative force in support of the academic and intellectual interests of outstanding students. Participants share a core curriculum of interdisciplinary seminars which fulfill various components of the undergraduate general education requirements. Honors sections of regular courses may also be available to participants as well as to selected students who are not participants in the Honors Program itself.

Admission to the Honors Program as a freshman requires that the applicant meet two of the following criteria:

1. Rank in the top 10% of high school class.
2. A score of at least 600 on either the verbal or math SAT.
3. A combined SAT score of at least 1200.
4. An unusual ability in the creative arts or exceptional leadership or other extraordinary accomplishment.

Students interested in applying to the program must fill out an application form that includes a brief essay. Selected candidates may be interviewed by a member of the Honors Program Advisory Board as part of the admission process. The number of students in the program is limited. Completion of the program’s requirements becomes a part of the student’s official transcript. It is expected that students in the Honors Program will choose to be involved in existing honors programs within their major disciplines. Courses in the junior year are designed to facilitate this transition.

Required Courses (24-25 s.h.)

<table>
<thead>
<tr>
<th>Semester Hours</th>
<th>Freshman Year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HONP 100 Honors Seminar in Great Books and Ideas, Part I</td>
<td>3.0</td>
</tr>
<tr>
<td>HONP 101 Honors Seminar in Great Books and Ideas, Part II</td>
<td>3.0</td>
</tr>
<tr>
<td>HONP 102 Honors Seminar in Twentieth Century Civilization</td>
<td>3.0</td>
</tr>
<tr>
<td>HONP 103 Honors Seminar in Contemporary Civilization</td>
<td>3.0</td>
</tr>
<tr>
<td>Sophomore Year:</td>
<td></td>
</tr>
<tr>
<td>HONP 210 Honors Seminar in Science</td>
<td>4.0</td>
</tr>
</tbody>
</table>

Note: Students with required science courses in their majors may waive the Honors Seminars in Science.

Honors Electives
Select three; students waiving the Science course select four:

<table>
<thead>
<tr>
<th>Semester Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>HONP 104 Honors Seminar in Fractals and Infinity</td>
<td>3.0</td>
</tr>
<tr>
<td>HONP 112 Honors Seminar in Computing</td>
<td>3.0</td>
</tr>
<tr>
<td>HONP 201 Honors Seminar in Creative Process</td>
<td>3.0</td>
</tr>
<tr>
<td>HONP 202 Honors Seminar in Contemporary Issues I</td>
<td>3.0</td>
</tr>
<tr>
<td>HONP 203 Honors Seminar in History of Western Civilization</td>
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</tr>
<tr>
<td>HONP 301 Honors Seminar in Methods of Scholarship and Research</td>
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</tr>
<tr>
<td>HONP 302 Honors Seminar in Methods of Scholarship and Research</td>
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</tbody>
</table>

Courses of Instruction

HONP 100 HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART I 3.0
Focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. With HONP 101, meets the two-semester Gen Ed 2002–Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)–Communication, Writing, Reading.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 101 HONORS SEMINAR IN GREAT BOOKS AND IDEAS, PART II 3.0
Continues to focus on the significant masterworks and intellectual foundations of Western civilization. Original source materials will be read. With HONP 101, meets the two-semester Gen Ed 2002–Communication, Writing/Literature. Meets the 1983 General Education Requirement (GER)–Communication, Writing, Reading.

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 102 HONORS SEMINAR IN 20TH CENTURY CIVILIZATION 3.0

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 103 HONORS SEMINAR IN CONTEMPORARY CIVILIZATION 3.0

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 104 FRACTALS AND INFINITY 3.0
A study of the beauty of fractals, their numerical and geometric structure, and their fascinating connection to infinity and other branches of mathematics and related fields such as science, art, philosophy, and religion. Many hands-on, visualization, and computer activities and experiences offer rich opportunities to explore, create, and illustrate the dynamics of fractals and mathematics in general by stretching the mind beyond the finite to the infinite, offering a new view of the world we live in. Meets Gen Ed 2002–Mathematics. Meets the 1983 General Education Requirement (GER)–Mathematics, Mathematics.

Cross listed with Mathematical Sciences, MATH 104.

Prerequisite: Satisfactory completion of the mathematics portion of the Montclair State University Basic Skills Placement Test (MSU-BSPT), For Honors Program students only or by permission of instructor.

HONP 112 HONORS SEMINAR IN COMPUTING 3.0

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 201 HONORS SEMINAR IN THE CREATIVE PROCESS 3.0
This course is designed for second-year honors program students. It makes no assumptions that they have a background in the creative arts. This course will acquaint them with the language and process of the creative arts from both an historical and contemporary perspective. Meets Gen Ed 2002–Fine and Performing Arts. Meets the 1983 General Education Requirement (GER)–Fine and Performing Arts: Art Appreciation.

Prerequisite: For Honors Programs students only or by permission of instructor.

HONP 202 HONORS SEMINAR IN CONTEMPORARY ISSUES II 3.0

Prerequisite: For Honors Program students only or by permission of instructor.

HONP 210 HONORS SEMINAR IN SCIENCE 4.0
Interdisciplinary course in the natural and physical sciences consisting of seminars and laboratory experience. Meets the Gen Ed 2002–Natural/Physical Science Laboratory. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Laboratory or Non-laboratory Science.

Prerequisite: For Honors Program students only or permission of instructor.
HONP 211
HONORS SEMINAR IN CONTEMPORARY ISSUES I 3.0
Interdisciplinary course in the natural and physical sciences applying the scientific method, scientific data analysis, reasoning and logic to selected contemporary issues. Meets Gen Ed 2002-Interdisciplinary Courses, Contemporary Issues I: Scientific. Meets the 1983 General Education Requirement (GER)–Natural/Physical Science, Non-laboratory Science only. 
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 301
HONORS SEMINAR ON WAYS OF KNOWING 3.0
An interdisciplinary perspective on the nature of knowledge, including philosophical definitions of knowledge, the historical interaction of science with philosophical views of knowledge, the social context of knowledge, and the influence of values on the nature and development of knowledge.
Prerequisite: For Honors Program students only or by permission of instructor.

HONP 302
HONORS SEMINAR ON METHODS OF SCHOLARSHIP AND RESEARCH 3.0
The course will aim to familiarize students with the methods used in contemporary research in the humanities and the natural and social sciences. There are two goals which may provide a tension to the course: preparing students to embark on a major research project in their own discipline and making them sensitive to the issues in doing scholarship in other disciplines.
Prerequisite: For Honors Program students only or by permission of instructor.

New Jersey School of Conservation

COLLEGE OF SCIENCE AND MATHEMATICS
Director: William H. Thomas
Associate Director: Nicholas J. Smith-Sebasto

The New Jersey School of Conservation (NJSOC) is located on a 240-acre campus within the 15,000-acre Stokes State Forest in Sussex County, the most northeastern county in the state. Founded in 1949, the School was originally a Civilian Conservation Corps camp. East of the School is the main ridge of the Kittatinny Mountains, along which stretches the Appalachian Trail. To the West are the Delaware River and the Pocono Mountains. The campus surrounds 12-acre Lake Wapalanne. It has sleeping facilities for up to 285 and family-style dining in two dining halls for up to 312. Meals are prepared on-site by highly-trained kitchen staff. The campus also incudes a barrier-free residence lodge. A fully equipped infirmary staffed by a registered nurse, who lives on-site, handles medical needs. Two boat docks with rowboats and canoes, an archery range, extensive hiking trails, a renovated cabin built in 1860, a carriage house built in 1813, an observatory with a six inch diameter telescope, and a library are special features of the campus. Through its varied programs in environmental sciences, humanities, outdoor pursuits, and social sciences, the School aims to develop in learners ecological literacy that will permit them to understand Earth’s life support systems, the human dimensions of environmental problems and issues, and the skills necessary to adopt the sustained performance of environmentally responsible behaviors.

The activities and facilities at the NJSOC are designed to accommodate both long- and short-term learning experiences. These vary from 4-day/3-night, 3-day/2-night, 2-day/1-night programs to day experiences for nearly 9,000 elementary and middle students from nearly 100 schools from New Jersey and surrounding states. Each program is designed to meet the specific needs of the participating school group. Instruction is provided by a skillful coordination of collaborative teaching by faculty and graduate teaching assistants of the School of conservation and teachers from the participating schools. The programs offered have been cross-referenced with the New Jersey Core Curriculum Content Standards and meet many of them. Many teachers find they can meet more Standards by participating in programs offered by the School of Conservation than they can with classroom instruction. Inservice training for teachers, including weekend workshops, and undergraduate and graduate courses are also offered.

Courses of Instruction

CNFS 460
PRACTICUM IN ENVIRONMENTAL EDUCATION 3.0
This course is designed to provide future teachers and supervisors with a background of experience and knowledge which will enable them to organize and conduct environmental education programs. Using an extensive library of environmental education materials, students formulate teaching units, lists of teaching aids, and projects suitable for use in environmental programs. Participating in environmental programs with school children in residence at the School of Conservation furnishes a practical background for environmental education development.

CNFS 495
WORKSHOP ON UTILIZING NATURAL ENVIRONMENTS 1.0
To provide classroom teachers in all disciplines with experiences in using the natural environment to supplement classroom experiences. Opportunity for teachers to increase their knowledge of as well as skills in the techniques of incorporating the physical, biological, and socio-cultural components of the environment in their curriculum will be emphasized through the use of small group lecture sessions held in the natural environment being described. Students are provided with the opportunity of administering and experimenting in each of four such environments out of a choice ranging from 15 to 20 specific subject areas.

CNFS 496
FIELD STUDY IN HUMANITIES AND NATURAL SCIENCE 1.0
Provides teachers in varied and diversified subject areas with an understanding of how the humanities and sciences may be taught in natural environments for the purpose of developing an environmental sensitivity.
CNFS 497
FIELD STUDIES IN SOCIAL STUDIES AND OUTDOOR
RECREATION 1.0
Provides an understanding of how outdoor pursuits and social studies may be
taught using natural environments to develop environmental sensitivity. Does
not meet resident requirement.

Special Education

Although there is no department of Special Education at Montclair State, there
are several undergraduate and a number of graduate programs which offer
preparation for a variety of special education professions. Programs are in the
College of Education and Human Services, College of Humanities and Social
Sciences, and School of the Arts. Certification as Teacher of the Handicapped
is offered at the graduate level through the Department of Curriculum and
Teaching in the College of Education and Human Services. Coursework
leading to music therapy certification is offered at the undergraduate and
graduate levels. The Psychoeducational Center, which is located on campus,
provides practical clinical experiences for students in these various programs.
Programs in Early Childhood, Elementary, and Literacy Education prepare
teachers to work in inclusive settings.
Teacher Education Program

CENTER OF PEDAGOGY
Interim Director, Center of Pedagogy: Jennifer Robinson
Certification Officer: Ada Beth Cutler

Montclair State’s Teacher Education Program includes a number of distinctive features, including a network of partner schools which provide urban and suburban settings for students to complete their field experiences and a programmatic emphasis on teaching for critical thinking. Professional development schools have been created from within the New Jersey Network for Educational Renewal. The Teacher Education Program was awarded the Christa McAuliffe Showcase for Excellence award by the American Association of State Colleges and Universities for its collaboration with public schools and is one of the programs selected from across the nation to become a member of the National Network for Educational Renewal founded by John Goodlad. The Teacher Education Program at MSU received the 2002 Best Practices Award in Support of Diversity from the American Association of Colleges for Teacher Education. The commitment of the faculty in the Teacher Education Program is to the enticultration of students into a political and social democracy, the moral dimensions of teaching, as well as competence and knowledge both in pedagogy and the content to be taught. The program is considered a national model for other colleges and universities.

The Teacher Education Program at Montclair State reflects a balance between a liberal education and professional preparation. The program which is coordinated by the Director of the Center of Pedagogy, combines general education, subject-matter (major) specialization and professional preparation. The professional component addresses four broad areas: the curriculum, student development and learning, the classroom and the school, and effective teaching practices. Special emphasis is placed upon the research findings related to effective teaching. All Teacher Education candidates must complete a field experience in an urban school as part of the program. The specific objectives of the program are described in the Teacher Education Handbook, which may be obtained in the Center of Pedagogy. The requirements for teacher certification are subject to changes in state regulations and college policy. Such changes will be publicized; however, students must regularly consult with departmental advisors and the most current edition of the Teacher Education Handbook to stay aware of recent developments.

The Teacher Education Program provides a sequence of professional courses and field experiences leading to teacher certification upon passing the required standardized test assessment (Praxis Series), while the student majors in a particular field of interest. Field experiences are collaboratively coordinated by Montclair State and the New Jersey Network for Educational Renewal, a partnership with over 20 local school districts. The graduate is recommended for certification to teach in all New Jersey public schools and is legally qualified to apply for certification in other member states of the Interstate Certification Compact. Please note that United States citizenship is required for standard New Jersey teacher certification.

A. General Education
Students interested in teacher certification complete the same general education program as other students at Montclair State. It should be noted, however, that certain courses meet both general education and teacher education requirements. These are noted in the section on the professional sequence, and are recommended if you wish to complete your program with the minimum number of semester hours.

B. Special Requirements
Students who intend to prepare for teaching should fulfill the following special requirements prior to formal admission to the certification program:

Human and Intercultural Relations Requirement
Effective fall 2002, undergraduate teacher education students who follow Gen Ed 2002 will be able to fulfill the Human and Intercultural Relations Requirement (HIRR) by satisfying the GenEd 2002 core and distribution requirements which "prepare students to be knowledgeable, active and discerning citizens, culturally aware, and self-reflective critical thinkers who can function locally as well in the nation and the global community."

Students who follow the 1983 General Education Requirement (GER) are still required to fulfill the HIRR according to the guidelines published in the 2002-2004 undergraduate catalog.

The Center of Pedagogy is committed to preparing teachers who recognize their roles and responsibilities as educators in a democracy. Therefore, we encourage students to continue to explore issues of diversity and social justice in their future studies, in addition to the HIRR requirement.

All students are still required to satisfy Montclair State University's Multicultural Awareness Requirement (MAR).

Examination in Physiology and Hygiene
This requirement may be satisfied by presenting college study in such areas as biology, personal health problems, community health, school health, family health, health counseling, nutrition or health administration or by taking an examination administered by the State Department of Education. A list of courses which currently satisfy this requirement are listed below.

Biology
BIOL 100 Biological Sciences, non-majors only
BIOL 107 Biology for Survival
BIOL 110 Biology of Human Life
BIOL 215 Human Heredity
BIOL 240 Mammalian Anatomy and Physiology I, not for Biology majors
BIOL 241 Mammalian Anatomy and Physiology II, not for Biology majors
BIOL 243 Human Anatomy and Physiology
BIOL 380 Genetics

Health Professions, Physical education, Recreation and Leisure Studies
HLTH 101 Personal Health Issues
HLTH 150 Principles and Practices of Emergency Care
HLTH 207 Safety, Accidents and Emergency Care
HLTH 210 Consumer Health
HLTH 213 Perspective on Drugs
HLTH 220 Mental Health
HLTH 290 Human Sexuality
HLTH 307 The Study of Human Diseases
HLTH 315 Public Health
HLTH 330 Foundations of Health Education
HLTH 411 School Health and Community Services
HLTH 430 Health Counseling

Human Ecology
HENU 182 Nutrition

Honors Program Courses
HONP 210 Honors Seminar in Science I
HONP 211 Honors Seminar in Science II

C. Admission to Teacher Education
All students who intend to prepare for teaching must make formal application for admission to the teacher preparation program. It is recommended that students apply at the beginning of the second semester of the sophomore year. Application forms may be obtained from the Teacher Education Admission Office, Room 103, Chapin Hall. The application will be screened by a faculty committee, interviews conducted, and only those applicants who meet the admission criteria will be accepted.

It is important that a student make the decision to apply for admission to the program (admission to the university, or to a major, is not admission to the Teacher Education Program) as soon as possible. If application is made later than the end of the sophomore year, there may be some difficulty in completing the professional sequence in four years.

The criteria for admission are:

1. a. Cumulative overall average of at least 2.75. Students with cumulative GPA’s of 2.5 - 2.74 may apply to the Program under the Supplemental Admissions Process.
   b. A specific GPA required in major (GPA required varies by department. Consult your advisor for information).
   c. No failing grades in major courses.
   d. No grades of D or F in any prerequisite courses or in any of the professional education sequences
2. a. Successful completion of prerequisite courses for all certification areas with the exception of Early Childhood (P-3) and Elementary Education (K-8): PSYC 101 General Psychology I: Human Growth and Development; SPCM 101 Fundamentals of Speech: Communication Requirement; CURR 200 Initial Field Experience; PSYC 200 Educational Psychology; plus 9-12 semester hours of major courses.
2. Understand how children and adolescents learn and develop in a family, community, and cultural context. They understand the process of cultural responsiveness and the development of students in a variety of educational settings.

3. Understand the practice of culturally responsive teaching. They understand that children bring varied talents, strengths, and perspectives to learning; have skills for learning about the diverse students they teach; and use knowledge of students and their lives to design and carry out instruction that builds on students' individual and cultural strengths.

4. Plan instruction based upon knowledge of subject matter, students, families, communities, and curriculum goals and standards; and taking into account issues of class, gender, race, ethnicity, language, sexual orientation, age, and special needs in designing instruction.

5. Understand critical thinking and problem solving, and create learning experiences that promote the development of students' critical thinking and problem solving skills and dispositions.

6. Understand principles of democracy and plan and carry out instruction that promotes democratic values and communication in the classroom.

7. Understand and use multiple forms of assessment to support the intellectual, social, and physical development of learners and to inform instruction.

8. Create a community in the classroom that is nurturing, caring, safe, and conducive to learning.

9. Are reflective practitioners who continually inquire into the nature of teaching and learning, reflect on their own learning and professional practice, evaluate the effects of their choices and actions on others, and seek out opportunities for professional growth.

10. Build relationships with school colleagues, families, and agencies in the community to support students' learning and well-being, and work to foster an appreciation of diversity among students and colleagues.

11. Possess the literacy skills associated with an educated person; can speak and write English fluently and communicate clearly.

12. Develop dispositions expected of professional educators. These include belief in the potential of schools to promote social justice; passion for teaching; and commitment to ensuring equal learning opportunities for every student, critical reflection, inquiry, critical thinking, and life-long learning, the ethical and enculturating responsibilities of educators, and serving as agents of change and stewards of best practice.

F. Professional Sequences for Teacher Certification

Five semesters including the semester of acceptance are required to complete the professional sequence. This is the general pattern for teacher certification programs. Some require additional methods courses, You are encouraged to consult a departmental advisor early in your program. Please note: CURR 200 Initial Field Experience and courses in the professional sequence that are listed below under JUNIOR OR SENIOR YEAR, must be taken at Montclair State University.

Professional Sequence for Teacher Certification for all programs with the exception of Early Childhood (P-3) and Elementary Education (K-8)

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101 General Psychology I: Growth and Development.................3.0</td>
<td>(Meets the 1983 General Education Requirement (GER)--Social Science, Survey Course. It is pending approval to meet Gen Ed 2002)</td>
</tr>
<tr>
<td>SPCM 101 Fundamentals of Speech: Communication Requirement ............3.0</td>
<td></td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CURR 200 Initial Field Experience ........................................1.0</td>
<td></td>
</tr>
<tr>
<td>PSYC 200 Educational Psychology ............................................3.0</td>
<td>(Meets the 1983 General Education Requirement (GER)--Social Science, Topic Course. It is pending approval to meet Gen Ed 2002.)</td>
</tr>
</tbody>
</table>

JUNIOR OR SENIOR YEAR

The following courses must be taken after admission to the Program and before the Professional Semester:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDFD 220 Philosophical Orientation to Education........................3.0</td>
<td>(Meets the 1983 General Education Requirement (GER)--Philosophy/Religion. Meets the Gen Ed 2002--Philosophy or Religion.)</td>
</tr>
<tr>
<td>CURR 400 Teacher, School and Society ......................................3.0</td>
<td></td>
</tr>
<tr>
<td>CURR 409 Teaching for Critical Thinking ..................................3.0</td>
<td>OR EDFD 409 Teaching for Critical Thinking</td>
</tr>
<tr>
<td>READ 409 Teaching for Critical Thinking ....................................3.0</td>
<td>OR READ 409 Teaching for Critical Thinking</td>
</tr>
<tr>
<td>CURR 410 Intermediate Field Experience in Education ..................1.0</td>
<td>(Generally taken the semester before student teaching.)</td>
</tr>
</tbody>
</table>

Note: Students must take the required Praxis II Subject Assessment test prior to student teaching. Students are not permitted to take any additional courses during the student teaching semester.
### SENIOR YEAR

<table>
<thead>
<tr>
<th>Professional Semester Package</th>
<th>3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>CURR 435 Effectice Teaching/Productive Learning</td>
<td>3.0</td>
</tr>
<tr>
<td>CURR 402 Seminar in Professional Education</td>
<td>1.0</td>
</tr>
<tr>
<td>CURR 411 Supervised Student Teaching</td>
<td>8.0</td>
</tr>
</tbody>
</table>

**Note:** You are urged to consult frequently with your departmental advisor and the Center of Pedagogy.

### Professional Sequence for Teacher Certification for Early Childhood (Preschool-3)

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101 General Psychology I: Growth and Development</td>
<td>3.0</td>
</tr>
<tr>
<td>(Meets the 1983 General Education Requirement (GER)–Social Science, Survey Course. It is pending approval to meet Gen Ed 2002)</td>
<td></td>
</tr>
<tr>
<td>SPCM 101 Fundamentals of Speech: Communication Requirement</td>
<td>3.0</td>
</tr>
<tr>
<td>HEFM214 Child Development I</td>
<td>3.0</td>
</tr>
<tr>
<td>Major Course</td>
<td>3.0</td>
</tr>
</tbody>
</table>

#### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CURR 200 Initial Field Experience</td>
<td>1.0</td>
</tr>
<tr>
<td>ECEL 200 Perspectives on Early Childhood and Elementary Education in a Democracy</td>
<td>3.0</td>
</tr>
<tr>
<td>HEFM314 Child Development II</td>
<td>3.0</td>
</tr>
<tr>
<td>Major Course</td>
<td>3.0</td>
</tr>
<tr>
<td>Major Course</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*(Apply To Teacher Education Program at this point after completion of the prerequisite courses listed in section C. Admission to Teacher Education. It is strongly recommended that only students who are admitted to the Program enroll in the following courses. The Program reserves the right to limit enrollment in each of these courses to those students who have gained admission.)*

#### JUNIOR OR SENIOR YEAR

The following courses must be taken after admission to the Program and before the Professional Semester:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDFD 220 Philosophical Orientation to Education</td>
<td>3.0</td>
</tr>
<tr>
<td>(Meets the 1983 General Education Requirement (GER)–Philosophy/Religion. Meets the Gen Ed 2002–Philosophy or Religion.)*</td>
<td></td>
</tr>
<tr>
<td>ECEL 416 Arts and Creative Expression in Early Childhood</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 235 Psychology of Exceptional Children and Youth</td>
<td>3.0</td>
</tr>
<tr>
<td>ECEL 417 Problem Solving in Science, Math and Technology in Early Childhood Classrooms</td>
<td>3.0</td>
</tr>
<tr>
<td>READ 400 Initial Inquiry into Literacy Development</td>
<td>3.0</td>
</tr>
<tr>
<td>READ 410 Children's Literature for a Multicultural Society</td>
<td>3.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>ECEL 319 Language and Literature for Young Children</td>
<td>3.0</td>
</tr>
</tbody>
</table>

#### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECEL 420 Building Programs and Community in Inclusive Early Childhood Classrooms</td>
<td>3.0</td>
</tr>
<tr>
<td>ECEL 411 Clinical Experience I: Inclusive Early Childhood Classrooms</td>
<td>2.0</td>
</tr>
<tr>
<td>ECEL 413 Seminar I: Inclusive Early Childhood Classrooms</td>
<td>1.0</td>
</tr>
<tr>
<td>Student teaching semester:</td>
<td></td>
</tr>
<tr>
<td>ECEL 415 Clinical Experience II: Inclusive Early Childhood Classrooms</td>
<td>3.0</td>
</tr>
<tr>
<td>ECEL 419 Seminar II: Inclusive Early Childhood Classrooms</td>
<td>8.0</td>
</tr>
<tr>
<td>ECEL 435 Content Integration and Assessment in Inclusive Early Childhood Classrooms</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Note:** You are urged to consult frequently with your ECEL advisor and the Center of Pedagogy.

### Professional Sequence for Teacher Certification for Elementary Education (K-8)

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101 General Psychology I: Growth and Development</td>
<td>3.0</td>
</tr>
<tr>
<td>(Meets the 1983 General Education Requirement (GER)–Social Science, Survey Course. It is pending approval to meet Gen Ed 2002)</td>
<td></td>
</tr>
<tr>
<td>SPCM 101 Fundamentals of Speech: Communication Requirement</td>
<td>3.0</td>
</tr>
<tr>
<td>HEFM214 Child Development I</td>
<td>3.0</td>
</tr>
<tr>
<td>Major Course</td>
<td>3.0</td>
</tr>
</tbody>
</table>

#### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CURR 200 Initial Field Experience</td>
<td>1.0</td>
</tr>
<tr>
<td>ECEL 200 Perspectives on Early Childhood and Elementary Education in a Democracy</td>
<td>3.0</td>
</tr>
<tr>
<td>HEFM314 Child Development II</td>
<td>3.0</td>
</tr>
<tr>
<td>Major Course</td>
<td>3.0</td>
</tr>
<tr>
<td>Major Course</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*(Apply To Teacher Education Program at this point after completion of the prerequisite courses listed in section C. Admission to Teacher Education. It is strongly recommended that only students who are admitted to the Program enroll in the following courses. The Program reserves the right to limit enrollment in each of these courses to those students who have gained admission.)*

#### JUNIOR OR SENIOR YEAR

The following courses must be taken after admission to the Program and before the Professional Semester:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDFD 220 Philosophical Orientation to Education</td>
<td>3.0</td>
</tr>
<tr>
<td>(Meets the 1983 General Education Requirement (GER)–Philosophy/Religion. Meets the Gen Ed 2002–Philosophy or Religion.)*</td>
<td></td>
</tr>
<tr>
<td>ECEL 408 Social Studies and the Arts in Elementary Classrooms</td>
<td>3.0</td>
</tr>
<tr>
<td>ECEL 418 Social and Cultural Context of Families and Communities</td>
<td>3.0</td>
</tr>
<tr>
<td>ECEL 427 Explorations: Science, Math and Technology in Elementary Classrooms</td>
<td>3.0</td>
</tr>
<tr>
<td>READ 400 Initial Inquiry into Literacy Development</td>
<td>3.0</td>
</tr>
<tr>
<td>READ 408 Content Area Literacy in Elementary Classrooms</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Must take required Praxis II exam.

#### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECEL 422 Integrating Elementary Curriculum and Assessment for Equity and Diversity</td>
<td>2.0</td>
</tr>
<tr>
<td>ECEL 410 Clinical Experience I: Inclusive Elementary Classrooms</td>
<td>2.0</td>
</tr>
<tr>
<td>ECEL 412 Seminar I: Inclusive Elementary Classrooms</td>
<td>1.0</td>
</tr>
<tr>
<td>Student teaching semester:</td>
<td></td>
</tr>
<tr>
<td>ECEL 414 Clinical Experience II: Inclusive Elementary Classrooms</td>
<td>8.0</td>
</tr>
<tr>
<td>ECEL 421 Seminar II: Inclusive Elementary Classrooms</td>
<td>1.0</td>
</tr>
</tbody>
</table>

You are urged to consult frequently with your ECEL advisor and the Center of Pedagogy.

### G. New Jersey Teacher Test Requirement

The New Jersey State Board of Education requires candidates for instructional certificates to take sections of The Praxis II series of tests and achieve a minimum score prior to certification. Information regarding which tests to register for and how to register is available in Room 103, Chapin Hall. Students are urged to take the required Praxis test as soon as they become eligible to do so, i.e. after they have achieved senior status (90 s.h.), and must have their scores sent to the University, as well as to the New Jersey Department of Education, prior to the professional (student teaching) semester.
Graduate and Special Programs

1. Certification Program (Post-Baccalaureate)—A program leading to a New Jersey teaching certificate for holders of a bachelor’s degree who do not wish to enter a graduate degree program.


3. The Master of Education degree—Designed for the teacher who wishes to upgrade classroom knowledge and skills.

NOTE: Consult the graduate catalog for information.

Title II Report Summary 2002-2003

As reported to the NJ Department of Education under Title II of the Higher Education Act as the “summary pass rate”, 100% of students who completed Montclair State University’s programs for initial teacher certification in AY 2002-2003 passed the PRAXIS test required for licensure by the state of New Jersey. For comparison, the statewide summary pass rate is 99%. An aggregate pass rate of 100% was calculated for the academic content areas (math, English, biology, etc.).

The percentages of students who passed the individual (“single”) PRAXIS assessments are as follows (the statewide pass rate for each is in parentheses):

Elementary education: content knowledge 100 (99)
English language, literature & composition: 100 (98)
Health & Physical education:
  content knowledge 100 (99)
  Mathematics: 100 (94)
  Physical education: 100 (100)
  Social Studies 100 (93)

As required under Title II, pass rates were reported only for assessments with more than 10 test-takers. Students completing programs who took assessments with less than ten test-takers passed at the following rates (the statewide pass rate, if available, is in parentheses):

Art 100 (100)
Biology 100 (97)
Business Education 80 (100)
Chemistry 100 (100)
Family and Consumer sciences 100
French 100 (100)
General Science I: 100 (98)
General Science II: 100 (100)
Music 100 (98)
Physics 100 (96)
Speech Communication 100
Technology Education 100 (100)

The following information about the teacher preparation program at Montclair State University in AY 2002-2003 was also reported under Title II:

Total number of students enrolled in teacher preparation programs:.....1212
Average number of students enrolled in student teaching experiences: ..359
Average number of full-time faculty appointed in professional education who supervised student teachers:.................................11
Average number of faculty appointed part-time in professional education and full-time in the institution who supervised student teachers: ............20
Average number of faculty appointed part-time in professional education, not otherwise employed by the institution, who supervised student teachers:.................................................................80
Total average number of supervising faulty.............................................111
Student/faculty ratio: ................................................................. 3.2/1

The average number of hours per week in student teaching was 35 hours. The total number of weeks required is 15, for a total of 525 hours of student teaching. The program is approved by the NJ Department of Education.

The full Title II report may be obtained from the center of Pedagogy.
APPENDIX OF SCHOLARSHIPS AND AWARDS

Accounting, Law and Taxation

ACCOUNTING SCHOLARSHIP
Amount: Varies
Criteria: Junior or senior accounting majors with high academic achievement and financial need.
Contact: Chairperson, Accounting, Law and Taxation

KATHE BRODT MEMORIAL SCHOLARSHIP
Amount: $1,000
Criteria: Concentration in accounting, 90 credits completed toward the baccalaureate degree, registered for full-time study (at least 12 semester hours each term during the year of grant), academic achievement and financial need.
Contact: Chairperson, Accounting, Law and Taxation

GARY L. PALUMBO SCHOLARSHIP
Amount: Varies
Criteria: Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.
Contact: Dean, School of Business

African-American Studies

AFRICAN-AMERICAN STUDIES SCHOLARSHIP
Amount: Varies
Contact: Director, African-American Studies

Art and Design

ANNE CHAPMAN SCHOLARSHIP
Amount: Varies
Criteria: Full-time students majoring in art and design. Minimum GPA of 3.0; financial need will be considered.
Contact: Chairperson, Art and Design

F. PAUL SHIELDS FUND
Amount: Varies
Criteria: The scholarship will be awarded to a full-time student in the Master's of Fine Arts program at MSU. The award is based on academic achievement and the student must maintain a minimum GPA of 3.2. Must also provide evidence of demonstrated leadership and participation in extra-curricular activities at MSU.
Contact: Chairperson, Art and Design.

Biology and Molecular Biology

CHARLES HADLEY MEMORIAL FUND FOR INDEPENDENT STUDENT RESEARCH
Amount: Up to $275
Criteria: Students who have displayed excellence of work and need for financial assistance to complete their research and independent student projects in biology.
Contact: Chairperson, Biology and Molecular Biology

JACOB GOODMAN SCHOLARSHIP
Amount: Varies
Criteria: Matriculated, full-time student enrolled in the Biology and Molecular Biology Department. Based on academic achievement. Recipient must have at least 90 credits towards an undergraduate degree.
Contact: Chairperson, Biology and Molecular Biology

VIOLA WHITNEY PFELEGER FUND
Amount: $500
Criteria: Students of horticulture recommended by chairperson of Biology and Molecular Biology or designee.
Contact: Chairperson, Biology and Molecular Biology

DR. AL STEIN MEMORIAL AWARD
Amount: Varies
Criteria: Full-time students majoring in a program within the Biology and Molecular Biology Department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.
Contact: Chairperson, Biology and Molecular Biology

Broadcasting

MARGARET J. DIFLAURO SCHOLARSHIP
Amount: $500
Criteria: Broadcasting major with a strong academic record who is participating in the Siena Study Abroad Travel program.
Contact: Chairperson, Broadcasting

ELLEN KAUFFMAN TRAVEL GRANT FUND
Amount: Varies
Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.
Contact: Chairperson, Broadcasting

MARY LOZADA SCHOLARSHIP
Amount: $500
Criteria: Recipient must be full-time undergraduate Broadcasting major at MSU accepted to a University sponsored study abroad program and is enrolled in at least one broadcasting course. Must be in good academic standing and have completed at least two semesters of study at MSU.
Contact: Chairperson, Broadcasting

JOHN D. SHARKEY SCHOLARSHIP
Amount: Varies
Criteria: Full-time junior or senior broadcasting major with a minimum cumulative GPA of 3.2.
Contact: Chairperson, Broadcasting

Business Administration

RAFFAELA BASILE MEMORIAL SCHOLARSHIP
Amount: Up to $500
Criteria: Upcoming junior or senior in the School of Business, service to Montclair State, favorable academic standing, and financial need.
Contact: Dean, School of Business

MICHAEL AND GERTRUDE HANCOWSKI FUND
Amount: Varies
Criteria: Full-time undergraduates matriculating within the School of Business.
Contact: Dean, School of Business

THE BOBBY HUGHES MEMORIAL SCHOLARSHIP FUND
Amount: Varies
Criteria: Recipients must be full-time undergraduate male students enrolled in the School of Business. Must maintain a GPA of 3.2 and demonstrate financial need.
Contact: Dean, School of Business

THE LARAJA FOUNDATION SCHOLARSHIP
Amount: $1,500
Criteria: Full-time undergraduates majoring in one of the fields of business offered through the School of Business with a 3.0 GPA.
Contact: Dean, School of Business

JAMES McGOVERN SCHOLARSHIP
Amount: $250
Criteria: Full-time student who will be enrolled as a senior year student in the following fall semester, majoring in a program offered through the School of Business.
Contact: Dean, School of Business

NORTH JERSEY REGIONAL DEVELOPMENT COUNCIL AWARD
Amount: $1,000
Criteria: Incoming or currently enrolled student in an undergraduate program taking business courses which will help the student in the world of business. Student must show need of financial assistance and be a resident of Passaic County.
Contact: Dean, School of Business

GARY L. PALUMBO SCHOLARSHIP
Amount: Varies
Criteria: Full-time New Jersey resident in junior year with minimum 3.0 cumulative GPA majoring in accounting, finance, management or marketing. Applicants must complete NJ Financial Aid Form.
Contact: Dean, School of Business
MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER AUNT, ANNA PEINS MILLER
Amount: Varies
Criteria: Female undergraduate matriculating within the School of Business whose educational goal is to prepare for a career in the business world. Must demonstrate favorable academic achievement, participation in campus and/or community activities, exhibits personal growth and potential for professional success.
Contact: Dean, School of Business

SOVEREL BOOK AWARD
Amount: $200
Criteria: Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.
Contact: Dean, School of Business

TWIN MANAGEMENT FORUM SCHOLARSHIP
Amount: $1,000
Criteria: Female undergraduate with minimum 3.0 cumulative GPA whose educational goal is to prepare for a career in business or industry. Applicants must complete NJ Financial Aid Form.
Contact: Dean, School of Business

Chemistry and Biochemistry

THE GAWLEY/BECKER SCIENCE EDUCATION AWARD
Amount: Varies
Criteria: Juniors admitted to the Teacher Education Program. Based on academic excellence and potential for success in doctoral work, closely allied field at an approved graduate school. Must exhibit evidence of leadership, financial need, and involvement in campus/community activities. Minimum 3.0 GPA. Awarded to a sophomore and a junior. Priority given to Bergen County residents.
Contact: Center of Pedagogy, Office of Teacher Education

ALLAN AND MARGUERITE D. MOREHEAD SCHOLARSHIP
Amount: $500
Criteria: M.Ed. or M.A.T. students who possess a strong GPA. Must provide statement of goals and letter of recommendation.
Contact: Center of Pedagogy, Office of Teacher Education

RUTH LEWIN ENDOWMENT FUND
Amount: $500-1,000
Criteria: Student who plans to enter teaching field. Must demonstrate evidence of leadership, financial need, and involvement in campus/community activities. Minimum 3.0 GPA. Awarded to a sophomore and a junior. Priority given to Bergen County, NJ, residents.
Contact: Center of Pedagogy, Office of Teacher Education

Child Care

JEAN M. ARMSTRONG SCHOLARSHIP
Amount: Varies
Criteria: Matriculated students or employees of Montclair State who have children enrolled in the Montclair State Child Care Center.
Contact: Director, MSU Child Care Center

PARENT/CHILD SCHOLARSHIP
Amount: Varies
Criteria: Matriculated students who have children enrolled in the MSU Child Care Center, volunteer at the center and demonstrate financial need.
Contact: Director, MSU Child Care Center

Classics and General Humanities

DORIS KIBBE SCHOLARSHIP
Amount: Varies
Criteria: Student pursuing work in Latin or the Classics, minimum GPA of 3.0
Contact: Chairperson, Classics and General Humanities

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER MOTHER, MARIE HANKO PEINS
Amount: Varies
Criteria: Full-time, undergraduate junior or senior classics major with a minor in Latin. A minimum grade point average of 3.2 with a grade point average of 3.5 in at least two Latin courses who does not qualify for financial aid.
Contact: Chairperson, Classics and General Humanities

NICHOLAS AND SUSAN MICHELLI MEMORIAL AWARD
Amount: $500
Criteria: Student in Teacher Education Program who demonstrates evidence of leadership, community involvement, and potential for professional success.
Contact: Center of Pedagogy, Office of Teacher Education

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND
Amount: Varies
Criteria: M.Ed. or M.A.T. students who possess a strong GPA. Must provide statement of goals and letter of recommendation.
Contact: Center of Pedagogy, Office of Teacher Education

Teaching Awards

THE J. THOMAS FLAGG OUTSTANDING STUDENT TEACHER AWARD
Amount: $100
Criteria: Candidates are identified as exemplary student teachers by school- or university-based faculty.
Contact: Center of Pedagogy, Office of Teacher Education

AT THE BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD
Amount: $500
Criteria: Full-time sophomore and junior with minimum cumulative GPAs of 3.0. Must exhibit the potential to be teachers. Preference given to Bergen County residents.
Contact: Center of Pedagogy, Office of Teacher Education

BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD
Amount: $500
Criteria: Full-time sophomore and junior with minimum cumulative GPAs of 3.0. Must exhibit the potential to be teachers. Preference given to Bergen County residents.
Contact: Center of Pedagogy, Office of Teacher Education

BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD
Amount: $500
Criteria: Full-time undergraduate or graduate student in the Classics, minimum GPA of 3.0.
Contact: Chairperson, Classics and General Humanities

NANCY SANDELIN PAISLEY AWARD
Amount: $100
Criteria: Undergraduate in the Foods and Nutrition Program who has completed both Fundamentals of Biochemistry and has high overall academic achievement, good character and potential to contribute to profession.
Contact: Chairperson, Chemistry and Biochemistry

GEORGE PLACEK AWARD
Amount: Varies
Criteria: Most outstanding sophomore scholar in Chemistry classes.
Contact: Chairperson, Chemistry and Biochemistry

Ralph R. Miano Scholarship
Amount: $1,000
Criteria: Full time undergraduate majoring in chemistry, enrolled in a program which will qualify the student for NJ teacher certification, who will achieve senior standing in the Fall semester in which the scholarship is awarded.
Contact: Chairperson, Chemistry and Biochemistry

Bergen County Retired Educators Association Scholarship/Kathryn E. Stillwell Memorial Award
Amount: $500
Criteria: Matriculated students or employees of Montclair State who have children enrolled in the MSU Child Care Center.
Contact: Director, MSU Child Care Center

CLASSICS AND GENERAL HUMANITIES

DORIS KIBBE SCHOLARSHIP
Amount: Varies
Criteria: Student pursuing work in Latin or the Classics, minimum GPA of 3.0
Contact: Chairperson, Classics and General Humanities

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER MOTHER, MARIE HANKO PEINS
Amount: Varies
Criteria: Full-time, undergraduate junior or senior classics major with a minor in Latin. A minimum grade point average of 3.2 with a grade point average of 3.5 in at least two Latin courses who does not qualify for financial aid.
Contact: Chairperson, Classics and General Humanities

College of Education and Human Services

BERGEN COUNTY RETIRED EDUCATORS ASSOCIATION SCHOLARSHIP/KATHRYN E. STILLWELL MEMORIAL AWARD
Amount: $500
Criteria: Full-time sophomore and junior with minimum cumulative GPAs of 3.0. Must exhibit the potential to be teachers. Preference given to Bergen County residents.
Contact: Center of Pedagogy, Office of Teacher Education

ALLAN AND MARGUERITE D. MOREHEAD SCHOLARSHIP
Amount: $500
Criteria: Student in Teacher Education Program who demonstrates potential to be teachers.
Contact: Center of Pedagogy, Office of Teacher Education

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND
Amount: Varies
Criteria: M.Ed. or M.A.T. students who possess a strong GPA. Must provide statement of goals and letter of recommendation.
Contact: Center of Pedagogy, Office of Teacher Education

RUTH LEWIN ENDOWMENT FUND
Amount: $500-1,000
Criteria: Student in Teacher Education Program who demonstrates financial need.
Contact: Center of Pedagogy, Office of Teacher Education

NICHOLAS AND SUSAN MICHELLI MEMORIAL AWARD
Amount: $500
Criteria: Student who demonstrates a commitment to a career in urban education.
Contact: Center of Pedagogy, Office of Teacher Education

ALLAN AND MARGUERITE D. MOREHEAD SCHOLARSHIP
Amount: Varies
Criteria: Full-time teacher education student from the inner city or a student committed to teaching in the inner city.
Contact: Center of Pedagogy, Office of Teacher Education

TEACHERS CLUB OF MONTCLAIR SCHOLARSHIP
Amount: $1,000
Criteria: Juniors admitted to the Teacher Education Program. Based on merit.
Contact: Center of Pedagogy, Office of Teacher Education

THE ERCCELL I. WATSON MEMORIAL FUND
Amount: $100
Criteria: Educator who is matriculated in or a graduate of a master’s degree program in the College of Education and Human Services.
Contact: Center of Pedagogy, Office of Teacher Education
LUCILLE WEISTUCH MEMORIAL AWARD
Amount: Varies
Criteria: Student enrolled in the Early Childhood, Elementary, and Literacy Education program at MSU.
Contact: Chair, Early Childhood, Elementary, and Literacy Education

College of Humanities and Social Sciences

LUCILLE WEISTUCH MEMORIAL AWARD
Amount: Varies
Criteria: Student enrolled in the Early Childhood, Elementary, and Literacy Education program at MSU.
Contact: Chair, Early Childhood, Elementary, and Literacy Education

JANET HOLT SCHOLARSHIP
Amount: $1,000
Criteria: Full-time undergraduate majoring in a field of study within the College of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.
Contact: Chairperson, Philosophy and Religion

SANFORD R. RADNER SCHOLARSHIP
Amount: Varies
Criteria: Undergraduate evening student with at least 6 credits in the semester (at least 3 must be taken in the evening) majoring in subjects offered in the College of Humanities and Social Sciences.
Contact: Director, Admission

Communication Sciences and Disorders

MARYANN PEINS SCHOLARSHIP
Amount: Varies
Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the Department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.
Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP
Amount: $250
Criteria: Matriculated graduate student in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in the major. Must show potential for making an outstanding contribution in the field of language and learning.
Contact: Chairperson, Communication Sciences and Disorders

Economics and Finance

ARYEH BLUMBERG AWARD
Amount: $100
Criteria: Finance major who wins the Wall Street Journal Award for the best academic performance in finance.
Contact: Chairperson, Economics and Finance

J. S. GANG SCHOLARSHIP
Amount: Varies
Criteria: Outstanding economics or political science students who will remain at Montclair State for upper division work. Must show high academic achievement and financial need.
Contact: Chairperson, Economics and Finance

HONIG TEXTBOOK SCHOLARSHIP
Amount: Varies
Criteria: Outstanding students enrolled in the Department of Economics and Finance.
Contact: Chairperson, Economics and Finance

HONIG TEXTBOOK SCHOLARSHIP
Amount: Varies
Criteria: Outstanding students enrolled in the Department of Economics and Finance.
Contact: Chairperson, Economics and Finance

MIRIAM R. TAUB ENGLISH SCHOLARSHIP
Amount: $300
Criteria: English major who demonstrates a commitment to scholarship and community service with particular consideration given to students interested in teaching.
Contact: Chairperson, English

MARY BONDON SCHOLARSHIP AWARD
Amount: $1,500
Criteria: Graduate student pursuing a teaching career in English Literature.
Contact: Chairperson, English

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP
Amount: Varies
Criteria: Graduate student pursuing an American literature or creative writing degree. Selection based on value of thesis proposal and financial need.
Contact: Chairperson, English

SHARI KANDELL MEMORIAL SCHOLARSHIP
Amount: Varies
Criteria: Recipient must be a part-time undergraduate female English major. Must maintain a 3.0 GPA and demonstrate financial need.
Contact: Chairperson, English

W. BERNARD FLEISCHMAN MEMORIAL FUND
Amount: $100
Criteria: Outstanding students in the field of Shakespearean studies.
Contact: Chairperson, English

MOE McGEE SCHOLARSHIP
Amount: Full tuition and fees for two semesters
Criteria: Full-time undergraduate English majors with a minimum cumulative GPA of 3.0
Contact: Chairperson, English

MURRAY PROSKY AWARD
Amount: $100
Criteria: Award is based on the submission of a paper in Irish literature to the English Department.
Contact: Chairperson, English

BESSIE SALSAW SOLOMON MEMORIAL SCHOLARSHIP
Amount: $300
Criteria: English major who demonstrates a commitment to scholarship and community service with particular consideration given to students interested in teaching.
Contact: Chairperson, English

MIRIAM R. TAUB ENGLISH SCHOLARSHIP
Amount: $1,000
Criteria: Full-time undergraduate women students majoring in English with a 3.25 cumulative GPA.
Contact: Chairperson, English

Film Studies

TOMLINSON/MERANZE FILM STUDIES AWARD
Amount: $100
Criteria: Graduating student minor in film who has the highest GPA in film courses.
Contact: Chairperson, English and Director, Film Studies
French

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY
Amount: $1,000
Criteria: Students who possess financial need and demonstrate merit.
Contact: Chairperson, French

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP
Amount: 28,000 Austrian Schillings (about $1,700), plus room, health insurance and 20-day pass on Austrian National Railway.
Criteria: Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.
Contact: Chairperson, French. Apply during early spring semester.

Geography

BERTRAND BOUCHER SCHOLARSHIP FUND
Amount: Varies
Criteria: Student majoring in environmental, urban and geographic studies.
Contact: Chairperson, Earth and Environmental Studies

MILSTEAD AWARD FOR EXCELLENCE IN GEOGRAPHY
Amount: Approximately $150
Criteria: Junior majoring in environmental, urban and geographic studies who is in high academic standing and shows promise as a professional geographer.
Contact: Chairperson, Earth and Environmental Studies

Graduate Studies

DR. HARRY BALLE II SENIOR AWARD
Amount: Varies
Criteria: Graduating senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.
Contact: Chairperson, Legal Studies

HAROLD C. BOHN FELLOWSHIP
Amount: Varies
Criteria: Senior who shows promise in any academic discipline and presents a bonafide plan for graduate study.
Contact: Dean of Students

MARY BONDON SCHOLARSHIP AWARD
Amount: $1,500
Criteria: Qualified English graduate student pursuing a teaching career in English literature.
Contact: Chairperson, English

JOHN AND ROSE CALI SCHOLARSHIP FOR THE ARTS
Amount: Varies
Criteria: Perspective or currently enrolled full-time undergraduate or graduate African American and Latino students enrolled in the Art and Design department of the School of the Arts. Must have completed 18 semester hours of graduate course work with a 3.50 GPA.
Contact: Dean, School of the Arts

LAWRENCE H. CONRAD MEMORIAL SCHOLARSHIP
Amount: Varies
Criteria: Montclair State graduate pursuing a graduate degree in American literature or creative writing at the institution. Selection based on value of thesis proposal and financial need.
Contact: Chairperson, English

WILLIAM P. DIGNARDI FELLOWSHIP
Amount: Varies
Criteria: Graduating MSU senior with a minimum cumulative GPA of 2.8 who has competed in intercollegiate athletics as a member of a varsity team and has been accepted into a post-baccalaureate degree program.
Contact: Director of Athletics

FRENCH DEPARTMENT SCHOLARSHIP FOR GRADUATE STUDY
Amount: $1,000
Criteria: Students who show financial need and demonstrate merit.
Contact: Chairperson, French

ELLEN KAUFFMAN TRAVEL GRANT FUND
Amount: Varies
Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Communication Studies or Dance and Theatre, minimum GPA of 3.0 in major courses.
Contact: Chairperson, Communication Studies or Theatre and Dance

ANNE KIRBY MEMORIAL SCHOLARSHIP FUND
Amount: Varies
Criteria: Matriculated graduate student currently teaching or preparing to teach who is enrolled in the M.Ed. or MAT degree program at MSU.
Contact: Dean, College of Education and Human Services

DENNIS K. McDONALD SCHOLARSHIP AND AWARD IN THEATRE
Amount: $100
Criteria: Theatre graduate or undergraduate with a minimum GPA of 3.0 in theatre courses. Must exhibit performance quality, professional potential and evidence of continued development.
Contact: Chairperson, Theatre and Dance

MAYO GRADUATE SPECIAL EDUCATION SCHOLARSHIP
Amount: $1,000
Criteria: Graduate student enrolled in a program leading to work with children who have Pervasive Developmental Disorders. Must have completed 18 semester hours of graduate course work with a 3.50 GPA.
Contact: Director, Psychoeducational Center

JAMES AND ELIZABETH MILLARD SCHOLARSHIP
Amount: Varies
Criteria: Fully matriculated full-time undergraduate or graduate students in good academic standing who have come from the West Indies to study at MSU. Financial need will be a consideration in the awarding of this scholarship.
Contact: Director, International Student Services

DONALD AND JUDITH MILLER SCHOLARSHIP FOR FINE ARTS
Amount: Varies
Criteria: Perspective or currently enrolled full-time undergraduate or graduate African American and Latino students enrolled in the Music Therapy Program. Recipient must remain a matriculated student in good standing.
Contact: Coordinator, Music Therapy Program

PHI DELTA KAPPA SCHOLARSHIP
Amount: Varies. Usually two awards covering cost of one graduate course.
Criteria: Matriculated student in education master’s degree program.
Contact: Dean, College of Education and Human Services

MARYANN PEINS SCHOLARSHIP
Amount: Varies
Criteria: Matriculated graduate students enrolled in the Department of Communication Sciences and Disorders with a concentration in Speech-Language Pathology. Must have completed 15 credits in the department with a GPA of 3.5 in the major. Must provide evidence of participating in professional activities or community service relating to communication disorders. Must show potential for success in doctoral studies and research in communication disorders.
Contact: Chairperson, Communication Sciences and Disorders

HAROLD M. SCHOLL SCHOLARSHIP
Amount: $250
Criteria: Matriculated graduate student in the Department of Communication Sciences and Disorders who has completed 15 credits and has a minimum GPA of 3.5 in the major. Must show potential for making an outstanding contribution in the field of language and learning.
Contact: Chairperson, Communication Sciences and Disorders
F. PAUL SHIELDS FUND
Amount: Varies
Criteria: The scholarship will be awarded to a full-time student in the Master's of Fine Arts program at MSU. The award is based on academic achievement and the student must maintain a minimum GPA of 3.2. Must also provide evidence of demonstrated leadership and participation in extra-curricular activities at MSU.
Contact: Chairperson, Art and Design.

MAX A. SOBEL FELLOWSHIP
Amount: Amount and frequency varies
Criteria: Graduate student in mathematics education nominated by mathematics education faculty
Contact: Chairperson, Mathematical Sciences

MARGARET AND HERMAN SOKOL FELLOWSHIP IN SCIENCE
Amount: $10,000
Criteria: Senior chemistry major pursuing a doctorate in chemistry or a closely allied field at an approved graduate school. Must show academic excellence and potential for success in doctoral studies and research.
Contact: Dean, College of Science and Mathematics

MARGARET AND HERMAN SOKOL AWARD FOR INTERNATIONAL GRADUATE STUDY/RESEARCH
Amount: $5,000 ($2,500 per semester)
Criteria: Graduate student matriculated in a science program offered by College of Science and Mathematics, who has completed at least 64 semester hours at MSU, with at least 24 hours completed in a scientific major, and completed at least 6 credit hours in a foreign language or demonstrate language equivalent proficiency.
Contact: Dean, College of Science and Mathematics

SOVEREL BOOK AWARD
Amount: $200
Criteria: Undergraduate or graduate student in one of the programs within the School of Business who is an employee of a banking organization in the community.
Contact: Dean, School of Business

DR. AL STEIN MEMORIAL AWARD
Amount: Varies
Criteria: Full-time students majoring in a program offered in the Biology and Molecular Biology department. Undergraduates must have completed one year of the biology core and collateral courses and have a minimum cumulative GPA of 2.5. Graduate students must have a minimum cumulative GPA of 3.0.
Contact: Chairperson, Biology and Molecular Biology

ALBERT WANG THESIS SCHOLARSHIP
Amount: $2,000
Criteria: Fully matriculated full- or part-time doctoral students at Montclair State University who are enrolled in their courses for dissertation advisement for the semester of the award. Must maintain a minimum of 3.0 GPA.
Contact: Dean, Graduate Studies

THE ERECELL I. WATSON MEMORIAL FUND
Amount: $100
Criteria: Educator who is matriculated in or a graduate of a master’s degree program in the College of Education and Human Services.
Contact: Dean, College of Education and Human Services

Health Professions

PANZER TRUST INCENTIVE SCHOLARSHIP
Amount: $200
Criteria: Health major who has been accepted for graduate work at a college or university.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

JOHN G. REDD SCHOLARSHIP
Amount: $300
Criteria: Full-time undergraduate majoring in health.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

History

JULIAN J. JAFFE MEMORIAL AWARD
Amount: $75-$100
Criteria: Undergraduate student who has shown distinction in the study of history and shows a concern for the truth about the past.
Contact: Chairperson, History

WILLIAM McLEAN SCHOLARSHIP
Amount: $500 (junior or senior year)
Criteria: Outstanding junior history major who has shown an appreciation for the comprehensiveness of historical study and the interrelatedness of history, the social sciences and the humanities. Minimum GPA of 3.0 in history and a minimum cumulative GPA of 2.67.
Contact: Chairperson, History

GARY RICHARD TAMIRIAN MEMORIAL SCHOLARSHIP
Amount: Varies
Criteria: Outstanding junior or senior majoring in history or political science with a minimum cumulative GPA of 3.5. Must offer examples of community service and commitment to humanitarian endeavors.
Contact: Chairperson, History or Political Science

Honors Program

ADP HONORS SCHOLARSHIP
Amount: $1,250
Criteria: Full-time undergraduate students enrolled in MSU’s Honors Program. Recipients must agree to limit themselves to no more than 10 hours a week of outside employment in semesters for which they receive the scholarship.
Contact: Director, Honors Program

MSU FOUNDATION HONORS SCHOLARSHIP
Amount: Varies
Criteria: Full-time students in the Honors Program.
Contact: Director, Honors Program

THE PHYLLIS LeBOFF ENDOWMENT FUND IN HONOR OF HER HUSBAND, GERALD A. LeBOFF
Amount: Varies
Criteria: Talented and gifted students.
Contact: Director, Honors Program

THE VIVIAN AND HEINZ ROSENBUsh MEMORIAL SCHOLARSHIP
Amount: Varies
Criteria: Full-time juniors or seniors in the Honors Program.
Contact: Director, Honors Program

MARY A. WHALEY MEMORIAL SCHOLARSHIP
Amount: Varies
Criteria: Gifted, incoming freshmen with middle income backgrounds who do not qualify for financial aid.
Contact: Director, Honors Program

WILKINS HONORS SCHOLARSHIP
Amount: Varies
Criteria: Students in the Honors Program, especially those interested in the sciences.
Contact: Director, Honors Program

Human Ecology

FASHION STUDIES AWARD
Amount: Varies
Criteria: Human Ecology major with a concentration in Fashion Studies; high academic standing; participation in college and/or community activities; professional potential.
Contact: Chairperson, Human Ecology

FOOD SCIENCE AWARD
Amount: $300
Criteria: Human Ecology major with a concentration in Food and Nutrition-Food Technology with minimum cumulative GPA of 3.0 and professional potential.
Contact: Chairperson, Human Ecology
LOIS J. GUTHRIE SCHOLARSHIP
Amount: $250
Criteria: Full-time junior Human Ecology major with minimum cumulative GPA of 3.0. Must have made voluntary contributions of time and energy to a community agency serving families or consumers.
Contact: Chairperson, Human Ecology

KATHERINE B. HALL SCHOLARSHIP
Amount: Varies
Criteria: Full-time senior Human Ecology major with a minimum cumulative GPA of 3.0. Must be a member and active participant in the activities of the AAFCs, KON, or MSDO MSU chapter.
Contact: Chairperson, Human Ecology

MARYANN PEINS MEMORIAL SCHOLARSHIP IN HONOR OF HER GRANDMOTHER, ANNA ESEMANN PEINS
Amount: Varies
Criteria: Undergraduate in the Human Ecology major with a concentration in Food and Nutrition who has completed both Fundamentals of Organic Chemistry and Biochemistry and has high overall academic achievement, good character and potential to contribute to the profession. Must not otherwise qualify for financial aid.
Contact: Chairperson, Human Ecology

International Students

JAMES AND ELIZABETH MILLARD SCHOLARSHIP
Amount: Varies
Criteria: Fully matriculated full-time undergraduate or graduate students in good academic standing who have come from the West Indies to study at MSU. Financial need will be a consideration in the awarding of this scholarship. Preference will be given to students majoring in Broadcasting.
Contact: Director, International Student Services

Journalism

HARRY FRIEDLANDER JOURNALISM AWARD
Amount: Two-$100 awards
Criteria: Students who show outstanding performance in the study or practice of journalism.
Contact: Coordinator, Journalism Program

J. RAYMOND PAUL JOURNALISM AWARD
Amount: $750
Criteria: Students who have completed nine credit hours toward a declared journalism minor and shown outstanding performance in the study and practice of journalism.
Contact: Coordinator, Journalism Program

Legal Studies

DR. HARRY BALFE II SENIOR AWARD
Amount: Varies
Criteria: Senior or recent graduate from the College of Humanities and Social Sciences who has been accepted to law school and has a minimum cumulative GPA of 3.2.
Contact: Chairperson, Legal Studies

Management

ATOCHEM NORTH AMERICAN AWARD
Amount: Varies
Criteria: Senior management major who exhibits scholarly performance and leadership potential.
Contact: Chairperson, Management

AUSTIN DRUKKER SCHOLARSHIP
Amount: Varies
Criteria: Students who exhibit acceptable academic performance and contribute significantly to the department, school, university and/or society.
Contact: Chairperson, Management

Mathematical Sciences

MAX A. SOBEL FELLOWSHIP
Amount: Amount and frequency varies.
Criteria: Graduate student in mathematics education nominated by mathematics education faculty.
Contact: Chairperson, Mathematical Sciences

AUDREY VINCENTZ LEEF SCHOLARSHIP
Amount: Varies
Criteria: Fully matriculated full-time or part-time undergraduate or graduate students in good academic standing who are enrolled in at least one mathematics course at any level.
Contact: Chairperson, Mathematical Sciences

JOHN C. STONE FUND
Amount: Varies
Criteria: Recommendation of Mathematical Sciences Department faculty with chairperson's approval; mathematics or computer science major.
Contact: Chairperson, Mathematical Sciences

Media

EMANJ GRADUATE STUDY SCHOLARSHIP IN EDUCATIONAL MEDIA
Amount: $500 (two scholarships)
Criteria: Graduate media student, New Jersey
Contact: Educational Media Association of New Jersey
Ms. Anita Sawczuk
The Old Turnpike School
Califon, NJ 07830
(908) 439-2010

EMMA FANTONE MEDIA GRANT
Amount: Varies (provides for attendance at media conference)
Criteria: Student interested in a career in media.
Contact: Associate Director, Media Center

Merit-Based Scholarships

ANTHONY M. DINALLO AND ROBERT J. DINALLO SCHOLARSHIPS
Amount: Varies
Criteria: To financially assist two full-time incoming undergraduate students enrolled in a program of study at Montclair State University. Recipients must be in good academic standing.
Contact: Director, Admissions

LARRY DOBY SCHOLARSHIP—NJ NETS
Amount: Varies
Criteria: Academically talented graduate of Montclair or Paterson Eastside high schools.
Contact: Director, Admissions

RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP
Amount: $506
Criteria: Full-time students who have been accepted in a study abroad program sponsored by the University. Recipients must be in good academic standing at time of application and have completed two semesters of study at MSU.
Contact: Director, International Studies

THE INTDR TECHNOLOGY SCHOLARSHIP
Amount: $500
Criteria: Must be a full-time student in any school/department at MSU. Must have a 3.2 GPA at the time of application. Only for second semester freshmen, sophomores, and juniors.
Contact: Director, Financial Aid

THE JAMES P. KEENEN III/JOSEPH T. MOORE/ANITA UHIA/CONSTANCE WALLER SCHOLARSHIP ENDOWMENT
Amount: Varies
Criteria: Enrolled full-time students in good academic standing. Sponsored by the American Federation of Teachers Local 1904.
Contact: Administrator, AFT Local 1904

MICHAEL & MARGARET JUDGE MORRIS SCHOLARSHIP
Amount: Varies
Criteria: Incoming freshman who graduated from either Brick or Brick Memorial high schools with the highest SAT score.
Contact: Director, Admissions
DONALD L. MULFORD MEMORIAL SCHOLARSHIP
Amount: Varies
Criteria: Full-time undergraduates who have graduated from one of the four high schools based in Montclair. Preference given to incoming freshmen.
Contact: Director, Community Relations

SCHERING PLough FOUNDATION SCHOLARSHIP
Amount: $10,000
Criteria: Recipient must be enrolled at Montclair State University and maintain high standards of academic achievement, character and contribute to the community through extra-curricular involvement, service and leadership. Student must demonstrate financial need.
Contact: Director, Honors Program

JOHN AND IRMA SHEFFMAN SCHOLARSHIP
Amount: Varies
Criteria: Full-time, fully matriculated undergraduate students in good academic standing.
Contact: Chairperson, Music

HARRY S. TRUMAN SCHOLARSHIP - GOVERNMENT SERVICE LEADERSHIP DEVELOPMENT
Amount: Varies (maximum $5,000 a year for up to 4 years)
Criteria: A merit-based scholarship awarded at the end of sophomore year to a student anticipating government service.
Contact: Director, Honors Program

Music
MARDEN BATE SCHOLARSHIP
Amount: Varies
Criteria: Gifted voice students enrolled in MSU’s Music Department
Contact: Chairperson, Music

FRANK AND LYDIA BERGEN SCHOLARSHIP HONORING JEAN HOOPER
Amount: $5,000
Criteria: Talented music students with financial need pursuing careers in music.
Contact: Chairperson, Music

LARRY A. FRANK MUSIC SCHOLARSHIP
Amount: Varies
Criteria: Music student who shows promise as a music educator, performer, therapist, composer, theorist or historian.
Contact: Chairperson, Music

ANNA LAURA HANSEN-GRIFFITH PIANO SCHOLARSHIP
Amount: Varies
Criteria: Music student studying piano.
Contact: Chairperson, Music

JEANNE HENINGBurg SCHOLARSHIP
Amount: Varies
Criteria: Prospective or currently enrolled African-American student majoring in music, dance or theatre. Cumulative GPA of 3.0 in major.
Contact: Dean, School of the Arts

HOWE SCHOLARSHIP
Amount: Varies
Criteria: Music major who shows ability and interest.
Contact: Chairperson, Music

EDNA McEACHERN MUSIC FUND
Amount: Varies
Criteria: Students who demonstrate financial need, musicianship and a contribution to the department.
Contact: Chairperson, Music

WARD MOORE MEMORIAL MUSIC SCHOLARSHIP FUND
Amount: $500
Criteria: Full-time undergraduate student preparing for a career in music (teaching or performing), in good academic standing and has completed at least two semesters at MSU.
Contact: Chairperson, Music

MORSE ESTATE SCHOLARSHIP FUND
Amount: Varies
Criteria: Full-time undergraduate majoring in music who shows interest and ability.
Contact: Chairperson, Music

LUCILE OLIVA MUSIC SCHOLARSHIP
Amount: $250
Criteria: Full-time, junior and/or senior students enrolled in Music Department with a cumulative GPA of 3.0 or higher with a significant achievement as a music student and potential success in the field of music.
Contact: Chairperson, Music

DAVID OTT SCHOLARSHIP
Amount: $500
Criteria: Full matriculated upper level undergraduate and/or post-baccalaureate students enrolled in the Music Therapy Program.
Contact: Coordinator, Music Therapy Program

MARYANN PEINS MEMORIAL PIANO SCHOLARSHIP IN HONOR OF HER FATHER, RUDOLPH M. PEINS
Amount: Varies
Criteria: Talented and gifted incoming freshman enrolled as a full-time music major studying piano, who shows promise as a performer, composer, or therapist with potential for professional success.
Contact: Chairperson, Music

OSCAR RAVINA TALENT GRANT
Amount: Varies
Criteria: Outstanding, full-time freshmen studying string instruments.
Contact: Professor Oscar Ravina, Music

CAROL H. WASSERMAN PIANO SCHOLARSHIP
Amount: Varies
Criteria: Full-time undergraduate piano majors.
Contact: Chairperson, Music

PHILOSOPHY AND RELIGION

GEORGE BRANTL SCHOLARSHIP
Amount: $1,000
Criteria: Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.
Contact: Chairperson, Philosophy and Religion

MARYANN PEINS MEMORIAL RELIGION SCHOLARSHIP IN HONOR OF HER GRANDMOTHER, KATHERINE SOHASKI HANKO
Amount: Varies
Criteria: Full-time female undergraduate Religious Studies major. Must demonstrate favorable academic standing, personal growth participation in campus and/or community activities, and professional potential.
Contact: Chairperson, Philosophy and Religion

LARRY STANTON SCHOLARSHIP
Amount: $1,000
Criteria: Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.
Contact: Chairperson, Philosophy and Religion

ROBERT F. STREETMAN SCHOLARSHIP
Amount: $1,000
Criteria: Full-time undergraduate philosophy or religious studies majors. Minimum cumulative GPA of 3.2.
Contact: Chairperson, Philosophy and Religion

PHYSICAL EDUCATION

PAUL P. BOGATKO SCHOLARSHIP
Amount: Varies
Criteria: A graduate of East Side High School, Newark, NJ, who is in good academic standing in the field of physical education. Must show financial need.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

MARGARET C. BROWN SCHOLARSHIP
Amount: $250
Criteria: Sophomore/second year physical education major with highest cumulative average. Must reflect professional ideals through leadership, service or participation in professional physical education activities on- or off-campus (i.e., conferences, workshops, conventions).
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies
JOSEPH PAUL CERES SCHOLARSHIP
Amount: Varies
Criteria: Sophomore/second year or junior female gymnast with exceptional ability and leadership in gymnastics.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

CAROLE DONOVAN AWARD
Amount: Varies
Criteria: Health Education or Allied Health major in good academic standing, who has demonstrated commitment to the health community, is service oriented, and plans to continue in the health field.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

NICHOLAS CICCONE SCHOLARSHIP
Amount: Varies
Criteria: Sophomore/second year or junior physical education major with skill in motivating older adults to keep fit through movement activities.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

KATHERINE EATON SCHOLARSHIP
Amount: $200
Criteria: Sophomore/second year or junior physical education major in teacher education program who exhibits professional excellence scholastically and in personal conduct.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SUE FULLER MEMORIAL SCHOLARSHIP
Amount: $500 approximately
Criteria: Junior female in physical education who has exhibited outstanding contributions through service to athletics (i.e., manager, publicity, statistician).
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GERALD A. GARAFOLA SCHOLARSHIP
Amount: $250
Criteria: Physical education sophomore/second year with a minimum cumulative GPA of 2.8, who has made distinguished contributions and shown leadership in department activities.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

A. J. GORTON SCHOLARSHIP
Amount: $100
Criteria: Junior who maintains high performance level in physical education activities.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

VINCENT, DOROTHY AND TERESA FARRELL SCHOLARSHIP
Amount: Varies
Criteria: Freshman/first year who demonstrates high academic achievement and are active in department activities.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GIARDINA AWARD FOR EXCELLENCE IN PRE-SERVICE TEACHING
Amount: Varies
Criteria: MAT candidate with a concentration in physical education or health who demonstrates exceptional skill in pre-service teaching experience and/or requirements. Minimum of a 3.0 GPA.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ASHLEY HAMMOND SCHOLARSHIP
Amount: $150
Criteria: A female physical education major.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SCOTT AND DOROTHEA HARRIS SCHOLARSHIP
Amount: Varies
Criteria: Sophomore/second year with minimum cumulative GPA of 3.0. Must be good citizens of their schools and communities and offer the promise of being successful physical education teachers.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE FANNIE DIENER HONIGFELD SCHOLARSHIP
Amount: $250
Criteria: Students who exhibit effective leadership in department organizations and provide service to meet departmental needs when requested.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

GEORGE HORN AWARD
Amount: Varies
Criteria: Male student, in good academic standing, who demonstrates leadership, team spirit and a desire to make a positive contribution to society.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

THE ETHEL SIMPSON LENKOWSKY ’37 SCHOLARSHIP
Amount: Varies
Criteria: Junior physical education major who has an academic record of high quality. Must exhibit financial need.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DEAN MARTINO MEMORIAL SCHOLARSHIP
Amount: $100
Criteria: Junior physical education major who demonstrates a willingness to give time to others.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

JOSEPH NERENBERG SCHOLARSHIP
Amount: $100
Criteria: Junior physical education major who demonstrates a high quality. Must exhibit financial need.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

HARRY NOWICK SCHOLARSHIP
Amount: Varies
Criteria: Presented to a male student majoring in physical education.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ROGER M. PALMISANO AWARD
Amount: $100
Criteria: A male student in good academic standing with a cumulative average of at least 2.5.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER ALUMNI SCHOLARSHIP
Amount: $200
Criteria: Freshman/first year physical education major with highest scholastic average who best exhibits evidence of professional competence.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT ASSOCIATION ADAPTED PHYSICAL EDUCATION AWARDS
Amount: Varies
Criteria: Students who demonstrate exceptional service and qualities of leadership, understanding and creativity while fulfilling practicum assignments in the adapted area.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER STUDENT SERVICE AWARD
Amount: $50 Bond
Criteria: Student in good academic standing, who has provided outstanding leadership and service to the Panzer Student Association.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

PANZER TRUST FUND
(3 incentive scholarships)
Amount: $200
Criteria: Freshmen/first year entering Montclair State in the fall. Three scholarships will be obtainable:
1. Physical Education major
2. Recreation and Leisure Studies major
3. Health Careers major
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies
PANZER TRUST INCENTIVE SCHOLARSHIP
Amount: $200
Criteria: For the recreation major who has been accepted for graduate work at a college or university.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELVERA DE MUTH PERKINS SCHOLARSHIP
Amount: $200
Criteria: Freshman/first year Physical Education major who offers the most promise for making positive contributions to the field of physical education. Must show financial need.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

ELYSIA PHILIPP SCHOLARSHIP
Amount: Varies
Criteria: Student who exhibits financial need to continue higher education in the Department of Health Professions, Physical Education, Recreation, and Leisure Studies.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SUE SIEGAL RITZ SCHOLARSHIP
Amount: Varies
Criteria: Junior or senior Physical Education student who has shown acceptable academic achievement and demonstrates exceptional ability in working with handicapped students.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

SYDNEY B. ROTHBARD SCHOLARSHIP FUND
Amount: Varies
Criteria: Full-time, undergraduate student majoring in physical education who has a cumulative grade point average of 3.0 or higher. Recipients must exhibit good sportsmanship and an understanding of teamwork.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DR. RICHARD W. TEWS AWARD
Amount: $50
Criteria: Student with minimum cumulative GPA of 2.75 who contributes to physical education through services in the Panzer Student Association.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

CATHY VAYIANOS COACHES AWARD
Amount: $150
Criteria: Female student who demonstrates leadership and the willingness to learn.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

DR. HAZEL WACKER AWARD
Amount: Varies
Criteria: A student majoring in Physical Education, Recreation or Health who gives documented volunteer service to an off-campus community group, organization, or institution.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

WESTON-BROWN SCHOLARSHIP
Amount: Varies
Criteria: Sophomore/second year Physical Education student who has the highest cumulative average and reflects some of Dr. Brown's professional ideals through leadership, service or participation in professional Physical Education activities on- or off-campus (i.e., conference, workshop, convention).
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

RICHARD Hodson SCHOLARSHIP
Amount: $100
Criteria: Outstanding undergraduate physics major.
Contact: Coordinator, Physics

PHYSICS Award
Amount: Varies
Criteria: Outstanding undergraduate physics major.
Contact: Coordinator, Physics

Political Science

J. S. GANG SCHOLARSHIP
Amount: Varies
Criteria: Economics or political science students remaining at MSU for their upper division work. Must exhibit financial need.
Contact: Chairperson, Political Science

Psychology

WILLIAM DORTCH, JR. SCHOLARSHIP
Amount: $700
Criteria: Freshman psychology majors with a minimum "C" high school average, as well as matriculated students who demonstrate financial need and potential contribution to the field of human development.
Contact: Chairperson, Psychology

NANCY DRAPER EMERGENCY LOAN FUND
Amount: Varies
Criteria: To provide emergency loans to fully matriculated students majoring in psychology.
Contact: Chairperson, Psychology

ORPHA M. LUTZ LOAN FUND
Amount: Varies
Criteria: Psychology majors.
Contact: Chairperson, Psychology

JEROME M. AND CINDY SEIDMAN AWARD FOR EXCELLENCE IN PSYCHOLOGY
Amount: $100 each
Criteria: Graduating male and female psychology majors with the highest cumulative grade point averages. In the event of a tie, selection based on service to school and community.
Contact: Chairperson, Psychology

Recreation and Leisure Studies

OUTSTANDING COMMERCIAL RECREATION/TOURISM AWARD
Amount: $25 and certificate
Criteria: Commercial recreation/tourism graduating senior who demonstrates excellence in scholarship, co-curricular activities, work experiences and research projects.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

RUBY AND CARL SAYERS MEMORIAL AWARD
Amount: Varies
Criteria: Therapeutic recreation student with a minimum cumulative GPA of 3.0 who has demonstrated efforts through exemplary volunteer work experience or internships with special populations.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies

WRITING AS THERAPY SCHOLARSHIP
Amount: Varies
Criteria: Junior or senior with an interest in writing or who possesses other communication skills that apply to a career in recreation therapy.
Contact: Chairperson, Health Professions, Physical Education, Recreation, and Leisure Studies
**School of the Arts**

**JOHN AND ROSE CALLI SCHOLARSHIP FOR THE ARTS**
- **Amount:** Varies
- **Criteria:** Undergraduate or graduate students in the School of the Arts. Must have a minimum GPA of 2.5.
- **Contact:** Dean, School of the Arts

**COSMOPOLITAN CLUB OF MONTCLAIR SCHOLARSHIP**
- **Amount:** Varies
- **Criteria:** Majoring/minoring in a program offered through the School of the Arts.
- **Contact:** Dean, School of the Arts

**DONALD AND JUDITH MILLER SCHOLARSHIP FOR FINE ARTS**
- **Amount:** Varies
- **Criteria:** Undergraduate or graduate students in the School of the Arts. Must have minimum cumulative GPA of 2.5 at the time of application.
- **Contact:** Dean, School of the Arts

**SCHOOL OF THE ARTS SCHOLARSHIP/TALENT GRANT**
- **Amount:** Varies
- **Criteria:** Full-time students majoring/minoring in a program in the School of the Arts. Must be enrolled in a department within the School. Undergraduates must have a minimum GPA of 2.5.
- **Contact:** Dean, School of the Arts

**ELLEN MOHAMMED SCHOLARSHIP**
- **Amount:** $500
- **Criteria:** Full-time African-American undergraduate majoring in fine arts, minimum GPA of 2.0.
- **Contact:** Ellen Mohammed Scholarship Committee, c/o Dean, School of the Arts

**ARTHUR NEWMAN MEMORIAL FUND**
- **Amount:** Varies
- **Criteria:** Undergraduate or graduate students enrolled in programs offered through MSU's School of the Arts to participate in programs or activities which will provide professional development in the arts.
- **Contact:** Dean, School of the Arts

**EDWARD LESHOWITZ URBAN INITIATIVE AWARD**
- **Amount:** $500
- **Criteria:** Currently enrolled MSU students who have successfully participated in a community service project that helped solve an urban problem during the last two years.
- **Contact:** Director, Service-Learning

**ITALIAN CLUB SCHOLARSHIP**
- **Amount:** Varies
- **Criteria:** Full-time, undergraduate students registered in a study abroad program sponsored by MSU. Recipient must be in good academic standing.
- **Contact:** Spanish/Italian Department or Italian Club

**ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI SCHOLARSHIP FOR ITALIAN CULTURE**
- **Amount:** Varies
- **Criteria:** Sophomore with a minimum of 12 credits in Italian who has exhibited extracurricular achievement, done community service, received special honors and shows financial need.
- **Contact:** Chairperson, Italian/English

**MARIO GRADUATE SPECIAL EDUCATION SCHOLARSHIP**
- **Amount:** $500
- **Criteria:** Full-time undergraduate junior or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.
- **Contact:** Director, Siena Study Abroad Program

**SARA PRIETO SCHOLARSHIP**
- **Amount:** Varies
- **Criteria:** Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need, specifically for study abroad.
- **Contact:** Chairperson, Spanish/Italian

**School of Humanities and Social Sciences**

**JANET HOLT SCHOLARSHIP**
- **Amount:** $1,000
- **Criteria:** Full-time undergraduate student majoring in a field of study within the School of Humanities and Social Sciences with a minimum cumulative GPA of 3.2.
- **Contact:** Chairperson, Philosophy and Religion

**Second Careers**

**RALPH P. LASALLE SCHOLARSHIP**
- **Amount:** $100
- **Criteria:** 50 years or older, enrolled in a degree program.
- **Contact:** Director, Center for Adult Learning

**HELEN M. PURCELL SCHOLARSHIP FUND**
- **Amount:** $500
- **Criteria:** Female part-time student in the Second Careers Program over the age of 35, who works at least 25 hours per week and has attained no more than an associate degree from an accredited institution. Must have a 3.25 cumulative grade point average at the time of application.
- **Contact:** Director, Center for Adult Learning

**ALICIA PAREHA SAVAGE SCHOLARSHIP FOR ADULT STUDENTS**
- **Amount:** $100
- **Criteria:** Undergraduate student, 25 years old or older, who has earned a minimum of six credits in MSU Second Careers Program, minimum GPA of 2.5.
- **Contact:** Director, Center for Adult Learning

**ALICIA P. SAVAGE MSU ASL ADULT SCHOLASTIC ACHIEVEMENT FUND**
- **Amount:** $500
- **Criteria:** Matriculated undergraduate, 25 years or older, enrolled in at least 6 semester hours for the semester they are awarded and has a minimum cumulative GPA of 2.5.
- **Contact:** Director, Center for Adult Learning

**Spanish/Italian**

**TERESA DE ESCORIZA SCHOLARSHIP**
- **Amount:** Varies
- **Criteria:** Sophomore with a minimum of 12 credits in Spanish who has exhibited extracurricular achievement, done community service, received special honors and shows financial need.
- **Contact:** Chairperson, Spanish/Italian

**JOANNE ENGELBERT SCHOLARSHIP FOR ACHIEVEMENT IN TRANSLATION**
- **Amount:** $500
- **Criteria:** Full-time or part-time students with a translating concentration in the Department of Spanish/Italian with a cumulative GPA of 2.75 and a minimum of 3.0 in the Translation Concentration. Based on academic achievement. Financial need of candidate will be considered.
- **Contact:** Chairperson, Spanish/Italian

**Special Education**

**MARIO GRADUATE SPECIAL EDUCATION SCHOLARSHIP**
- **Amount:** $1,000
- **Criteria:** Graduate student enrolled in a program leading to work with children who have Pervasive Developmental Disorders. Must have completed 18 semester hours of graduate course work with a 3.50 GPA.
- **Contact:** Director, Psychoeducational Center

**Study Abroad**

**THE RICHARD AND MARION HIGGINS DUGAN SCHOLARSHIP**
- **Amount:** $500
- **Criteria:** Full-time, undergraduate students registered in a study abroad program sponsored by MSU. Must have completed at least two semesters of study at MSU.
- **Contact:** Director, Global Education

**Margaret B. Holsz Scholarship**
- **Amount:** $200 - $1,000
- **Criteria:** Study in a field of modern language outside the United States.
- **Contact:** Chairperson, Classics and General Humanities
ANTHONY F. AND CHARLOTTE HAARTZ MARINELLI SCHOLARSHIP FOR ITALIAN CULTURE
Amount: Varies
Criteria: Full-time, undergraduate junior and/or senior students enrolled as Italian language majors or minors in the Spanish/Italian department at MSU to participate in the Summer Study Abroad program in Siena, Italy. Awarded on the basis of academic achievement and leadership.
Contact: Director, Siena Study Abroad Program

OVERSEAS NEIGHBORS EXCHANGE SCHOLARSHIP
Amount: 28,000 Austrian Schillings (about $1,700), plus room, health insurance and 20-day pass on Austrian National Railway.
Criteria: Undergraduate student fluent in German, ability to do university work. Decision made by interview committee.
Contact: Chairperson, French. Apply during early spring semester.

Theatre and Dance
WILLIAM A. BALLARE SCHOLARSHIP
Amount: Varies
Criteria: Full-time speech and theatre major enrolled in the Teacher Certification Program with a cumulative GPA of 3.0. Demonstrate outstanding teaching potential.
Contact: Chairperson, Theatre and Dance

DESIGN/PRODUCTION AWARD
Amount: $200
Criteria: Full-time undergraduate involved in the Design/Production Program with a minimum cumulative GPA of 2.0.
Contact: Chairperson, Theatre and Dance

THE DANCE SCHOLARSHIP
Amount: Varies
Criteria: Outstanding dance student chosen on basis of potential, contribution and talent.
Contact: Chairperson, Theatre and Dance

JEANNE HENINGBURG SCHOLARSHIP
Amount: Varies
Criteria: Prospective or currently enrolled African-American student majoring in music, dance or theatre with a cumulative GPA of 3.0 in his/her major.
Contact: Chairperson, Theatre and Dance

ELLEN KAUFFMAN TRAVEL GRANT FUND
Amount: Varies
Criteria: Undergraduate and graduate students majoring in a program offered by the Departments of Broadcasting, Communication Studies, Theatre and Dance, minimum GPA of 3.0 in major courses.
Contact: Chairperson, Theatre and Dance

MARYANN PEINS MEMORIAL DANCE SCHOLARSHIP IN HONOR OF HER MOTHER, MARIE HANKO PEINS
Amount: Varies
Criteria: Outstanding female undergraduate dance student chosen on basis of talent, contribution and potential. Must demonstrate favorable academic standing, continued development and potential for professional success.
Contact: Chairperson, Theatre and Dance

THE SPEECH AND THEATRE SCHOLARSHIP FUND
Amount: Varies
Criteria: Students within the Departments of Broadcasting, Communication Studies, Theatre and Dance who exhibit financial need.
Contact: Chairperson, Theatre and Dance

Upward Bound
JOHN G. REDD SCHOLARSHIP
Amount: $100
Criteria: Full-time undergraduate who is a former participant in the Upward Bound Program.
Contact: Director, Intra-Collegiate Academic Programs
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DIRECTIONS TO CAMPUS

Montclair State University is on Valley Road and Normal Avenue, Upper Montclair, N.J. one mile south of the junction of routes 3 and 46.

By Car From:
Bloomfield Ave., Montclair: North on Valley Road, 3.3 miles to Normal Avenue light, turn left.
Route 46 (East and West): Valley Road, Montclair exit (at Route 3 junction), south for approximately one mile to Normal Avenue light, turn right.
Route 3: Valley Road, Montclair exit (at Route 46 junction), south for approximately one mile to Normal Avenue light, turn right.
Garden State Parkway North: Exit 153B (left lane) to Route 3 West to Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right.
Garden State Parkway South: Exit 154 to Route 46 West, to Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right.
New Jersey Turnpike: Exit 16W to Route 3, Valley Road, Montclair exit, left one mile to Normal Avenue light, turn right. Motorists traveling on the Turnpike south of Exit 11 may exit there to Garden State Parkway North.
Lincoln Tunnel: Follow to Route 3.
George Washington Bridge: Route 80 to Garden State Parkway South.

By Public Transportation* From:
New York City (by train): Take PATH Service to Hoboken, transfer to NJ Transit Boonton Line, and get off at Montclair Heights Station at southwest corner of campus. (Service available only on weekdays in the afternoon and evening.)
New York City (by bus): DeCamp Bus No. 66 leaves from the Port Authority Bus Terminal; get off at Mt. Hebron and Valley roads, turn right (north) on Valley, and walk one block to the Normal Avenue traffic light, then turn left to campus entrance.
Newark: NJ Transit Bus No. 28 originates at Macy’s, Washington and Hill streets, and terminates its run on campus.
Paterson: NJ Transit Bus No. 72 originates at Broadway Terminal, Paterson, and goes to Broad Street, Bloomfield. Change to No. 28 at Bloomfield Center.
The Oranges: Take One Bus Co. No. 44 to Main and Day streets in Orange. Connect to NJ Transit Bus No. 92 to Glenwood and Bloomfield avenues. Change to NJ Transit Bus No. 28.
Passaic: NJ Transit Bus No. 705 originates at Main Street and Passaic Avenue in Passaic and travels through Clifton to Montclair State University.
Wayne: NJ Transit Bus 705 originates at Willowbrook Mall and ends its run on campus.

*Subject to change without notice. Information available from New Jersey Transit, 800-772-2222.